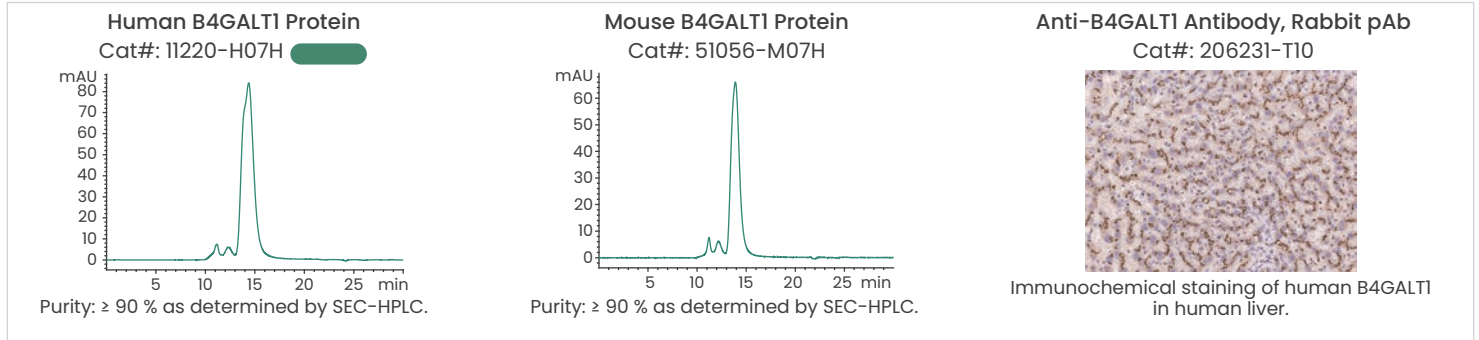


# Reagents for Emerging Therapeutic Targets

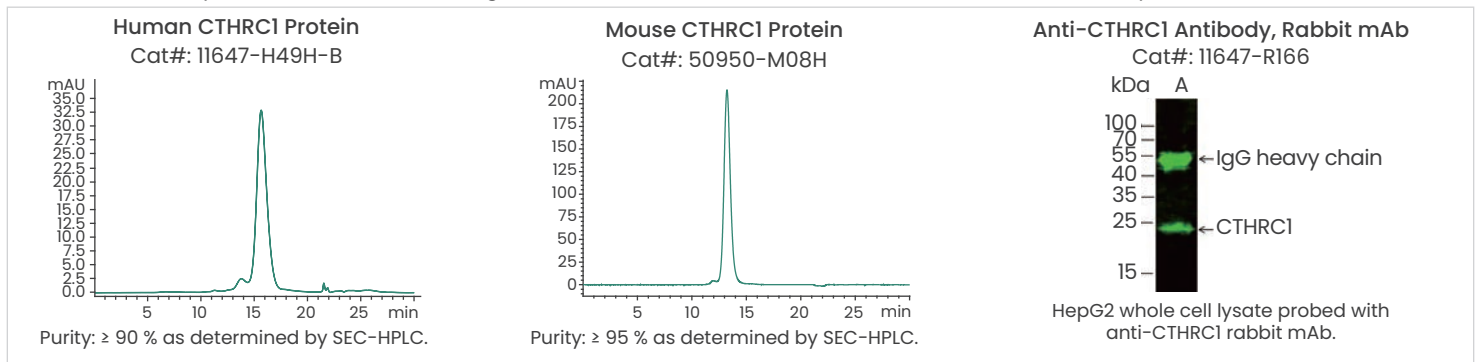
## B4GALT1

B4GALT1 is a member of the  $\beta$ -1,4-galactosyltransferase family that plays an important role in the biosynthesis of glycoproteins and glycolipids. It has been identified as a potential target for treating lung adenocarcinoma, acute myeloid leukemia, multi drug resistance in human leukemia cells, and other diseases.



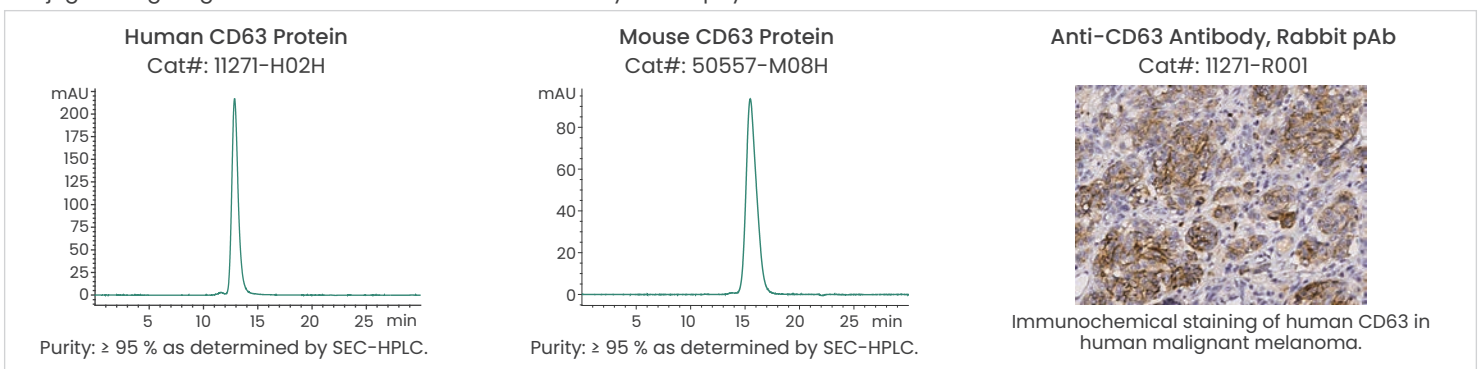
## CTHRC1

Collagen triple helix repeat containing 1 (CTHRC1) is an extracellular matrix protein with an important role in tumor invasion and tumor microenvironment. It is a potential therapeutic target for several types of cancer, including head and neck squamous cell carcinoma, kidney renal clear cell carcinoma, liver hepatocellular carcinoma, lung adenocarcinoma, stomach adenocarcinoma, and uterine corpus endometrial carcinoma.



## CD63

Cluster of differentiation 63 (CD63), a cell surface glycoprotein with four transmembrane domains, is associated with tumor development. CD63 has been studied as a potential drug target for cancer treatment such as melanoma and breast cancer. In addition, a bispecific antibody-drug conjugate targeting HER2 and CD63 was shown to efficiently deliver payloads to cancer cells.



### List of CD63 Proteins

Cat#	Species	Expression Host	Purity	Tag
11271-H08H	Human	HEK293 Cells	> 95 %	His
13657-W02H	Sus scrofa (Pig)	HEK293 Cells	> 95 %	hFc
50557-MNAH	Mouse	HEK293 Cells	> 90 %	Native
80304-R04H	Rat	HEK293 Cells	> 85 %	mFc
90191-C08H	Cynomolgus	HEK293 Cells	> 95 %	His

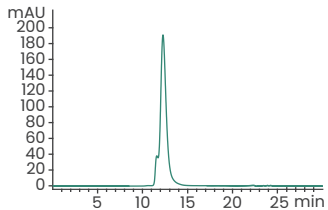
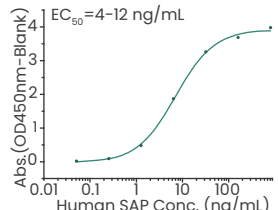
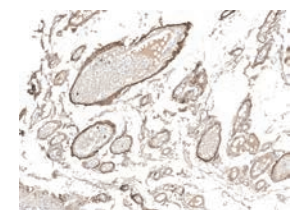
### List of Anti-CD63 Antibodies

Cat#	Clonality	Application
11271-MM01	Mouse mAb	IHC-P
11271-MM03	Mouse mAb	FCM, ICC/IF
11271-R142	Rabbit mAb	ELISA
11271-T16	Rabbit pAb	ELISA
200430-T08	Rabbit pAb	IHC-P

# Reagents for Emerging Therapeutic Targets

## SAP

Serum Amyloid P (SAP), a highly preserved plasma protein, is a promising drug target for Alzheimer's. In addition, SAP regulates several aspects of the innate immune system. It inhibits the differentiation of monocyte-derived fibroblast-like cells, promotes the formation of immuno-regulatory macrophages, and inhibits neutrophil adhesion to extracellular matrix proteins.

<p><b>Human SAP Protein</b> Cat#: 13610-H02H</p>  <p>Purity: ≥ 90 % as determined by SEC-HPLC.</p>	<p>Immobilized human CD64 protein (Cat#:10256-H08S) can bind human Serum Amyloid P Protein.</p> 	<p><b>Anti-SAP Antibody, Rabbit pAb</b> Cat#: 105998-T08</p>  <p>Immunochemical staining of human APCS in human small intestine.</p>
<p><b>Mouse SAP Protein</b> Cat#: 50113-M08H</p> <p>Activity: Immobilized mouse APCS can bind human Fibronectin Fragment 2.</p>	<p><b>Rat SAP Protein</b> Cat#: 80061-R08H</p> <p>Purity: &gt; 95% Expressed Host: HEK293 Cells</p>	<p><b>Anti-SAP Antibody, Rabbit pAb</b> Cat#: 13610-T16</p> <p>Applications: ELISA Ig Type: Rabbit IgG</p>

## KIRREL1

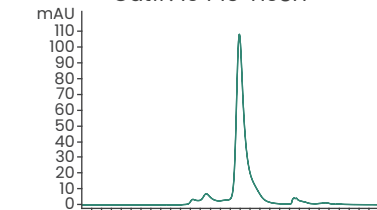
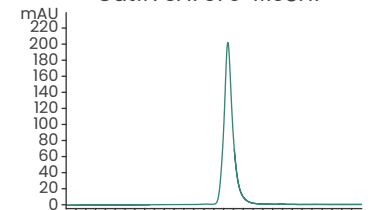
KIRREL1 (NEPH1) is a transmembrane protein that regulates Hippo pathway through a negative feedback mechanism. KIRREL1 expression is positively correlated with YAP/TAZ target gene expression in tumors. It also predicts poor prognosis and serves as a cell surface marker and potential drug target in YAP/TAZ-active cancers.

### List of KIRREL1 Proteins

Cat#	Molecule	Species	Expression Host	Purity	Activity	Tag
15752-H02H	KIRREL1	Human	HEK293 Cells	> 95 %		hFc
15752-H08H1	KIRREL1	Human	HEK293 Cells	> 95 %	Active	His
50193-M08H	KIRREL1	Mouse	HEK293 Cells	> 98 %		His

## C-MPL

The thrombopoietin receptor (C-MPL) is a transmembrane receptor protein that binds to thrombopoietin (TPO) and regulates megakaryocyte differentiation and platelet production. C-MPL is a potential drug target for the treatment of platelet disorders and hematological malignancies.

<p><b>Human C-MPL Protein</b> Cat#: 10443-H08H</p>  <p>Purity: ≥ 90 % as determined by SEC-HPLC.</p>	<p><b>Mouse C-MPL Protein</b> Cat#: 5A7679-M08H1</p>  <p>Purity: ≥ 95 % as determined by SEC-HPLC.</p>	<p><b>Rat C-MPL Protein</b> Cat#: 80346-R02H</p> <p>Purity: &gt; 95 % Expressed Host: HEK293 Cells</p> <p>Cat#: 80346-R08B</p> <p>Purity: &gt; 90 % Expressed Host: Baculovirus-Insect Cells</p>
---	---	--

## FASN

Fatty acid synthase (FASN), a key enzyme involved in neoplastic lipogenesis, is overexpressed in many cancers. It is a potential target in cancer therapy. In addition to cancer, FASN also has an impact on de novo lipogenesis, making it a promising target for many other diseases, such as obesity, type 2 diabetes, and non-alcohol fatty liver disease (NAFLD).

### List of FASN Proteins

Cat#	Species	Expression Host	Purity	Tag
30113-H07E	Human	<i>E.coli</i>	≥ 95 %	His
57840-M07E	Mouse	<i>E.coli</i>	≥ 95 %	His

### List of Anti-FASN Antibodies

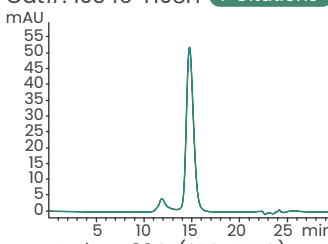
Cat#	Clonality	Application
105090-T04	Rabbit pAb	IP
100685-T10	Rabbit pAb	IHC-P, ICC/IF

# Reagents for Emerging Therapeutic Targets

## ICAM-1

Intercellular adhesion molecule-1 (ICAM1) is a transmembrane glycoprotein receptor of the immunoglobulin superfamily expressed on endothelial cells, epithelial cells, leukocytes, and neutrophils. ICAM-1 has been identified as a potential target for treating multiple myeloma, pancreatic cancer, triple-negative breast cancer, colorectal cancer, asthma, and rhinitis, with ongoing investigations into monoclonal antibodies, small molecules, and nanoparticles.

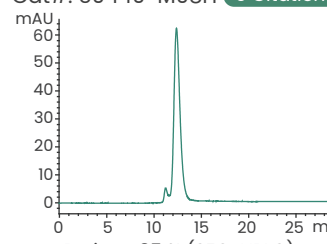
**Human ICAM-1 Protein**  
Cat#: 10346-H08H 7 Citations



Purity: ≥ 90 % (SEC-HPLC)

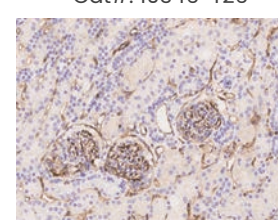
Activity: Immobilized protein supports the adhesion of PMA-stimulated HSB2 human peripheral blood acute lymphoblastic leukemia cells.

**Mouse ICAM-1 Protein**  
Cat#: 50440-M08H 9 Citations



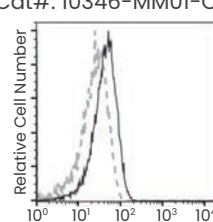
Purity: ≥ 95 % (SEC-HPLC)

**Anti-ICAM-1 Antibody, Rabbit pAb**  
Cat#: 10346-T26



Immunochemical staining of human ICAM1 in human kidney.  
Applications: ELISA, IHC-P, ICC/IF

**Anti-ICAM-1 Antibody, Mouse mAb**  
Cat#: 10346-MM01-C



Flow cytometric analysis of human ICAM-1 expression on human whole blood lymphocytes.  
Applications: FCM

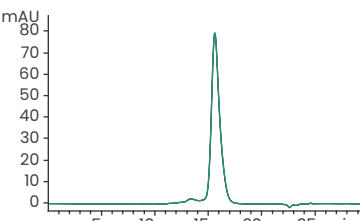
**More ICAM-1 Proteins (Partial)**

Cat#	Citations	Species	Expression Host	Purity	Tag
10346-H02H	<span style="background-color: #2e8b57; color: white; padding: 2px;">11 Citations</span>	Human	HEK293 Cells	> 95 %	hFc
10346-H49H-B		Human	HEK293 Cells	≥ 95 %	His & AVI
10346-HCCH	<span style="background-color: #2e8b57; color: white; padding: 2px;">7 Citations</span>	Human	HEK293 Cells	≥ 95 %	Native
50440-M03H	<span style="background-color: #2e8b57; color: white; padding: 2px;">12 Citations</span>	Mouse	HEK293 Cells	> 96 %	His & hFc
50440-M49H-B		Mouse	HEK293 Cells	≥ 95 %	His & AVI
80022-R02H	<span style="background-color: #2e8b57; color: white; padding: 2px;">2 Citations</span>	Rat	HEK293 Cells	> 95 %	hFc
80022-R08H		Rat	HEK293 Cells	> 97 %	His
90320-C08H	<span style="background-color: #2e8b57; color: white; padding: 2px;">6 Citations</span>	Rhesus	HEK293 Cells	> 90 %	His

## EphA2

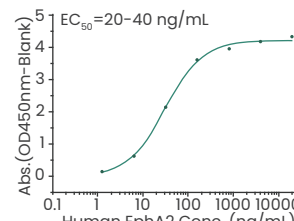
Ephrin type-A receptor 2 (EphA2), a member of the Eph receptor tyrosine kinase family, plays an important role in cell adhesion and migration. EphA2 has been demonstrated to critically regulate tumor cell growth, migration, and invasiveness. It is a potential target for treating breast cancer, prostate cancer, ovarian cancer, glioblastoma, and other cancers.

**Human EphA2 Protein**  
Cat#: 13926-H27H-B 1 Citation



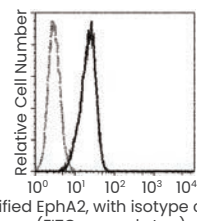
Purity: ≥ 90 % as determined by SEC-HPLC.

**Binding ability:** Immobilized human Ephrin-A1 protein can bind human EphA2 protein.



EC<sub>50</sub> = 20-40 ng/mL

**Anti-EphA2 Antibody, Rabbit mAb**  
Cat#: 50586-R301



Flow cytometric analysis of Mouse EphA2 expression on MSI cells.  
Applications: ELISA, FCM

## More EphA2 Proteins (Partial)

Cat#	Citations	Species	Expression Host	Purity	Activity	Tag
13926-H02H		Human	HEK293 Cells	≥ 95 % (SEC-HPLC)	Active	hFc
13926-H08H	<span style="background-color: #2e8b57; color: white; padding: 2px;">1 Citation</span>	Human	HEK293 Cells	≥ 90 % (SEC-HPLC)	Active	His
13926-H20B1		Human	Baculovirus-Insect Cells	> 95 %	Active	His & GST
50586-M49H-B		Mouse	HEK293 Cells	≥ 90 % (SEC-HPLC)	Active	His & AVI
50586-MNAH		Mouse	HEK293 Cells	≥ 95 % (SEC-HPLC)	Active	Native

# Reagents for Emerging Therapeutic Targets

## VISTA

V-domain Ig suppressor of T cell activation (VISTA), also known as VSIR, is a cell surface protein belonging to the B7 family. VISTA has immuno-suppressive effects supporting its use as a potential therapeutic target for many types of cancer, including melanoma, lung cancer, mesothelioma, pancreatic cancer, colorectal cancer, hematologic malignancies, and more cancers.

**Human VISTA Protein**  
Cat#: 13482-H49H-B

Purity:  
≥ 95 % as determined by SEC-HPLC

**Cynomolgus VISTA Protein**  
Cat#: 90844-C02H

Binding ability:  
Immobilized human IGSF11 protein (Cat#: 13094-H08H) can bind cynomolgus VISTA protein.

Abs.(OD450nm-Blank)  
Cynomolgus VISTA Conc. (ng/mL)

**Anti-VISTA Antibody Rabbit pAb**  
Cat#: 13482-T24

Applications: ELISA, IHC-P  
Immunochemical staining of human VISTA in human kidney.

## List of VISTA Proteins (Partial)

Cat#	Species	Expression Host	Purity	Tag
13482-H02H	Human	HEK293 Cells	> 95 %	hFc
13482-H08H	Human	HEK293 Cells	> 95 %	His
51550-M02H	Mouse	HEK293 Cells	> 95 %	hFc
51550-M08H	Mouse	HEK293 Cells	> 95 %	His
81347-R02H	Rat	HEK293 Cells	> 95 %	hFc
90801-K02H	Rhesus	HEK293 Cells	> 90 %	hFc
90801-K08H	Rhesus	HEK293 Cells	> 95 %	His
90844-C08H	Cynomolgus	HEK293 Cells	> 95 %	His

## List of Anti-VISTA Antibodies (Partial)

Cat#	Species	Clonality	Application
13482-M017-F	Human	Mouse mAb	FCM
13482-M017-P	Human	Mouse mAb	FCM
13482-M027	Human	Mouse mAb	IHC-P
13482-T16	Human	Rabbit pAb	ELISA
203372-T02	Human	Rabbit pAb	ICC/IF

## FLT1

Fms-like tyrosine kinase 1 (FLT1) is a cell surface receptor that binds to vascular endothelial growth factor (VEGF) and placental growth factor (PlGF). FLT1 is involved in angiogenesis and is a potential therapeutic target for anti-angiogenic therapy in cancer treatment.

**Human FLT1 Protein**  
Cat#: 10136-H08H

Purity: ≥ 90 % as determined by SEC-HPLC.

**Mouse FLT1 Protein**  
Cat#: 51045-M49H-B

Abs.(OD450nm-Blank)  
Mouse FLT1 Conc. (ng/mL)

**Human FLT1 Protein**  
Cat#: 10136-H08H

Neutralization %  
Human FLT1 Conc. (ng/mL)

Inhibited the VEGF-dependent proliferation of human umbilical vein endothelial cells (HUVEC).

## List of FLT1 Proteins

Cat#	Species	Expression Host	Purity	Tag
10136-H02H	Human	HEK293 Cells	> 95 %	hFc
10136-H08H1	Human	HEK293 Cells	> 90 %	His
10136-H49H-B	Human	HEK293 Cells	≥ 95 %	His & AVI
51045-M08H	Mouse	HEK293 Cells	> 90 %	His
80101-R08H	Rat	HEK293 Cells	> 90 %	His

## List of Anti-FLT1 Antibodies

Cat#	Clonality	Application
10136-MM03	Mouse mAb	ELISA, ICC/IF
10136-R111-F	Rabbit mAb	FCM
10136-T16	Rabbit pAb	ELISA
80101-R034	Rabbit mAb	ELISA