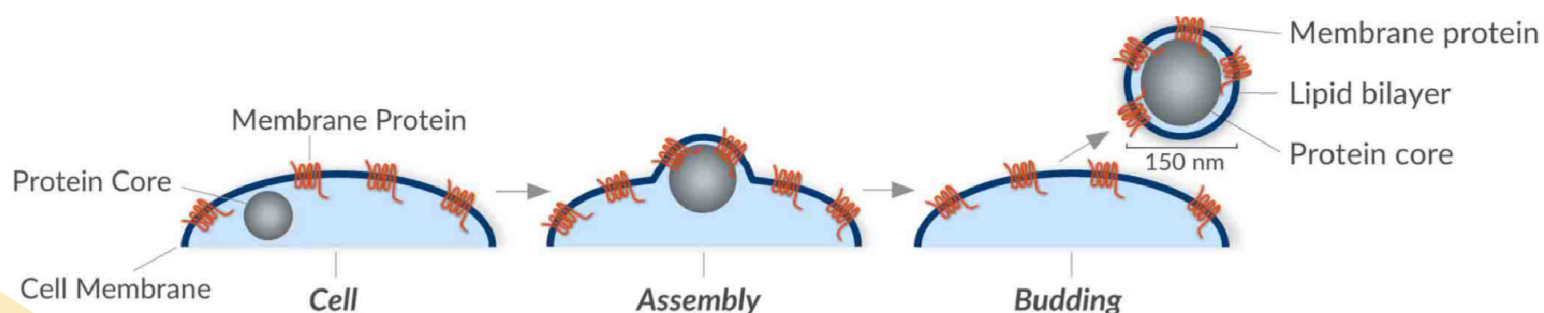


## Lipoparticles

- ReadyReceptor Particles
- Custom Lipoparticles

Lipoparticles concentrate conformationally intact membrane proteins directly on the cell surface, enabling these complex proteins to be manipulated as soluble, high-concentration proteins for antibody immunization and screening



### Why are Lipoparticles so effective for antibody discovery?

Lipoparticles concentrate proteins at 10-100× (~50-200 pmol/mg) the concentration of cells or membrane preps, resulting in robust immune responses and more successful antibody screens

Lipoparticles display properly folded membrane proteins in their native cellular membrane, resulting in the ability to elicit and screen for conformational, functional antibodies

Lipoparticles are ~150 nm, the size of most viruses, and so are optimal targets for dendritic cells in vivo and surface attachment for phage display.

Lipoparticle applications include:

- |  |                               |
|--|-------------------------------|
| Immunization                               | Phage/yeast display           |
| Antibody screening by ELISA                | Kinetic analysis by biosensor |
| Radioligand and fluorescent binding assays |                               |

### How can I buy Lipoparticles?

#### Custom Lipoparticles

Lipoparticles are typically customized to incorporate customers' specified membrane proteins. Each Lipoparticle batch is assessed by using up to 16 quality-control metrics to ensure homogeneity, purity, and target protein integrity. Hundreds of membrane proteins have been successfully incorporated into Lipoparticles, which can be modified with biotin or fluorescence for detection.

#### ReadyReceptor Lipoparticles

Prevalidated Lipoparticles contain optimized, highly expressed membrane proteins and are available for rapid delivery. ReadyReceptor Lipoparticles are produced and validated by using the same stringent quality metrics as are used for our Custom Lipoparticle production.

## Lipoparticles

- ReadyReceptor Particles
- Custom Lipoparticles

Cat No	Particulars	Pack Size
RR-0910	ReadyReceptor Lipoparticles - Alpha Adrenergic: Receptor human A2AR	1 unit
RR-0553	ReadyReceptor Lipoparticles - B-Cell Activation: Receptor human CD19	1 unit
RR-0655	ReadyReceptor Lipoparticles - B-Cell Activation: Receptor human CD27	1 unit
RR-1179	ReadyReceptor Lipoparticles - B-Cell Activation: Receptor human CD20	1 unit
RR-0574	ReadyReceptor Lipoparticles - Beta Adrenergic: Receptor human B2AR	1 unit
RR-0125	ReadyReceptor Lipoparticles - Chemokine: Receptor human CCR2b	1 unit
RR-0132	ReadyReceptor Lipoparticles - Chemokine: Receptor human CXCR3	1 unit
RR-0190	ReadyReceptor Lipoparticles - Chemokine: Receptor human CCR5	1 unit
RR-0193	ReadyReceptor Lipoparticles - Chemokine: Receptor human CCR10	1 unit
RR-0656	ReadyReceptor Lipoparticles - Chemokine: Receptor human CXCR7	1 unit
RR-0822	ReadyReceptor Lipoparticles - Chemokine: Receptor human CCR6	1 unit
RR-0830	ReadyReceptor Lipoparticles - Chemokine: Receptor human CXCR4	1 unit
RR-0835	ReadyReceptor Lipoparticles - Chemokine: Receptor murine CCR5	1 unit
RR-0943	ReadyReceptor Lipoparticles - Chemokine: Receptor human CXCR2	1 unit
RR-0968	ReadyReceptor Lipoparticles - Chemokine: Receptor human CCR1	1 unit
RR-2194	ReadyReceptor Lipoparticles - Chemokine: Receptor murine CXCR4	1 unit
RR-1090	ReadyReceptor Lipoparticles - Glucagon-like peptide-1 Receptor: Receptor human GLP-1R	1 unit
RR-0777	ReadyReceptor Lipoparticles - Glucose Transporter: Receptor human GLUT1	1 unit
RR-0341	ReadyReceptor Lipoparticles - Hepatitis C Attachment: Receptor human CD81	1 unit
RR-1067	ReadyReceptor Lipoparticles - Neuropeptide Receptor: Receptor human GAL1 Receptor	1 unit
RR-2657	ReadyReceptor Lipoparticles - Programmed cell death protein 1: Receptor human PD-1	1 unit
RR-2646	ReadyReceptor Lipoparticles - T-cell immunoreceptor with Ig and ITIM domains: Receptor human TIGIT	1 unit
RR-0891	ReadyReceptor Lipoparticles - Respiratory Syncytial Virus: Receptor RSV-F	1 unit
RR-0825	ReadyReceptor Lipoparticles - Tight Junction: Receptor human Claudin-1	1 unit
RR-2580	ReadyReceptor Lipoparticles - Tight Junction: Receptor human Claudin-2	1 unit
RR-0733	ReadyReceptor Lipoparticles - Tight Junction: Receptor human Claudin-3	1 unit
RR-0686	ReadyReceptor Lipoparticles - Tight Junction: Receptor human Claudin-4	1 unit
RR-0945	ReadyReceptor Lipoparticles - Viral Envelope: Receptor Chikungunya Virus	1 unit
RR-1136	ReadyReceptor Lipoparticles - Viral Envelope: Receptor Ross River Virus	1 unit
LEV-101	Lipoparticle Sample Kit - Chemokine ; Receptor human CXCR4	1 unit
LEV-101B	Lipoparticle Sample Kit - Chemokine ; Receptor human CXCR4	1 unit
LEV-102	Lipoparticle Sample Kit - Chemokine ; Receptor human CXCR5	1 unit
LEV-102B	Lipoparticle Sample Kit - Chemokine ; Receptor human CXCR5	1 unit
LEV-103	Lipoparticle Sample Kit - Chemokine ; Receptor human CD20	1 unit
LEV-103B	Lipoparticle Sample Kit - Chemokine ; Receptor human CD20	1 unit

**Lipoparticle Sample Kit:** Lipoparticle sample kits are available to ship within a week to enable application optimization and small-scale testing. Includes 400 units of Receptor Lipoparticles and 400 units of Receptor negative (Null) Lipoparticles.