

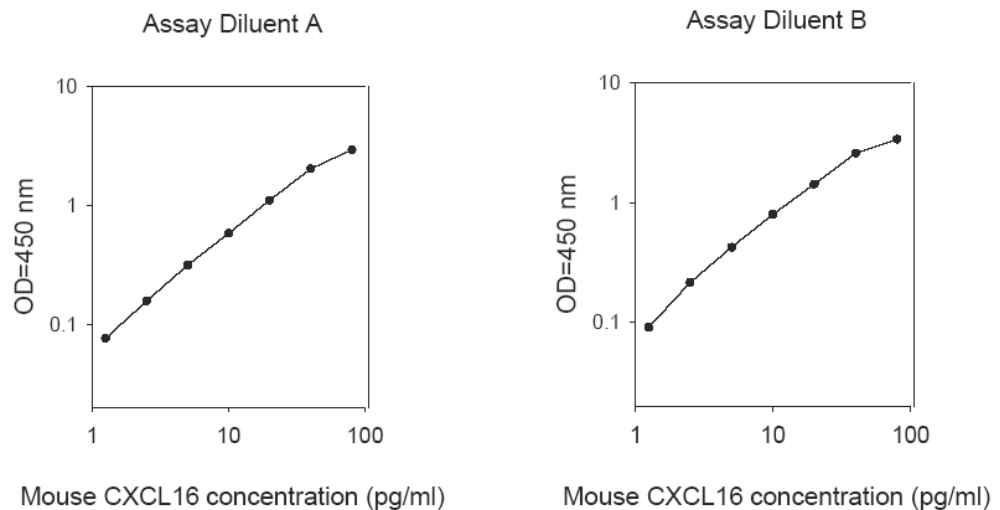
## CXCL16 Mouse Chemokine Ligand 16 ELISA Kit

<b>Catalog No.</b>	CK421
<b>Quantity</b>	1 x 96 tests
<b>Alternate Names</b>	Scavenger Receptor, SR-PSOX, Zmynd15
<b>Gene ID</b>	66102

**Description** This assay employs an antibody specific for mouse CXCL16 coated on a 96-well plate. Standards and samples are pipetted into the wells and CXCL16 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-mouse CXCL16 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CXCL16 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

**Application** The Cell Sciences Mouse CXCL16 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an *in vitro* enzyme-linked immunosorbent assay for the quantitative measurement of mouse CXCL16 in serum, plasma and cell culture supernatants.

### Typical Data



**Sensitivity** The minimum detectable dose of CXCL16 is typically less than 1.3 pg/ml.



**Recovery** Determined by spiking various levels of mouse CXCL16 into mouse serum, plasma, and cell culture media. Mean recoveries are as follows:

Sample Type	Average % Recovery	Range (%)
Serum	94.34	83-103
Plasma	93.49	82-102
Cell culture media	96.71	84-103

**Linearity**

Sample Type		Serum	Plasma	Cell culture media
1:2	Avg. % of Expected Range (%)	93 83-103	94 82-103	94 83-103
1:4	Avg. % of Expected Range (%)	94 84-103	93 83-102	96 84-103
1:8	Avg. % of Expected Range (%)	95 84-104	96 85-104	93 84-103

**Reproducibility** Intra-Assay: CV < 10%  
Inter-Assay: CV < 12%

**Storage and Stability**

- Product can be stored for up to 6 months from date of receipt at 2-4°C.
- Standard (recombinant protein) should be stored at -20°C or -80°C after reconstitution.
- Opened Microplate Wells and reagents can be stored for up to one month at 2-4°C.

**NOT FOR HUMAN USE. FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

