

Mouse VCAM1/CD106 ELISA Kit

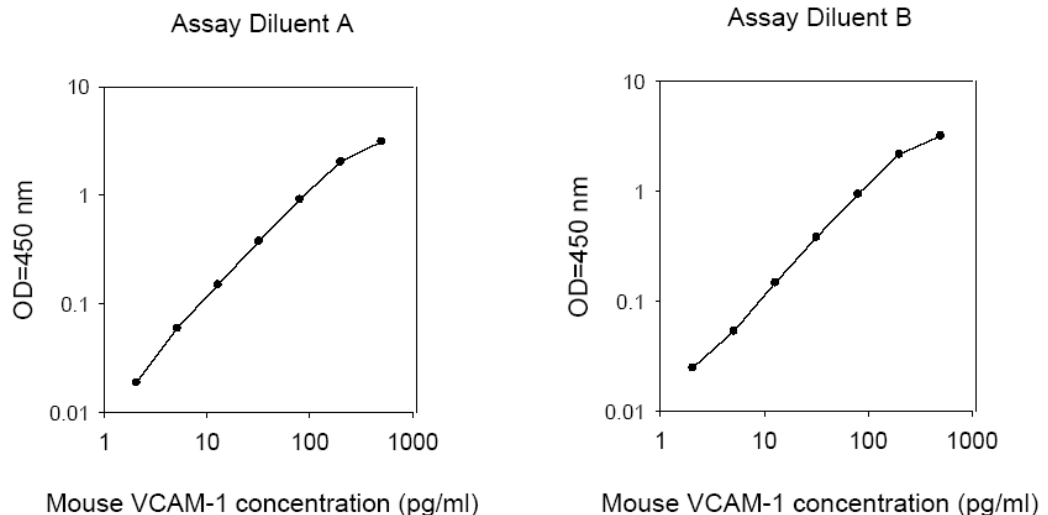
Catalog No. CK437

Quantity: 1 x 96 tests

Description This assay employs an antibody specific for mouse VCAM1 coated on a 96-well plate. Standards and samples are pipetted into the wells and VCAM1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-mouse VCAM1 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 VCAM1 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 VCAM1/CD106 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an *in vitro* enzyme-linked immunosorbent assay for the quantitative measurement of mouse VCAM1/CD106 in serum, plasma and cell culture supernatants.

Typical Data



Sensitivity The minimum detectable dose of VCAM1 is typically less than 1.5 pg/ml.

Recovery Determined by spiking various levels of mouse VCAM1 into mouse serum, plasma, and cell culture media. Mean recoveries are as follows:

Sample Type	Average % Recovery	Range (%)
Serum	96.43	82-105
Plasma	94.64	81-104
Cell culture media	97.36	84-107



Linearity

Sample Type		Serum	Plasma	Cell culture media
1:2	Avg. % of Expected Range (%)	92 81-102	93 82-104	94 83-103
1:4	Avg. % of Expected Range (%)	96 83-105	94 81-103	101 86-108
1:8	Avg. % of Expected Range (%)	94 82-103	97 84-106	95 83-104

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

Storage and Stability

- Product can be stored for up to 5 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.

