

Mouse Vascular cell adhesion protein 1 ELISA Kit (2 plates)

Catalogue No.: BEK-2107-2P

Description: The mouse Vascular cell adhesion protein 1 (VCAM-1) Kit is a sandwich ELISA. The capture antibody is an anti-mouse VCAM-1 antibody pre-coated onto the 96-well strip plates provided in the kit. Mouse test samples and standards of known VCAM-1 concentration are added to these wells and allowed to complex with the bound VCAM-1 antibody. A biotinylated anti-mouse VCAM-1 antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of VCAM-1 present in the samples. The purpose of this kit is the in-vitro quantitative determination of mouse VCAM-1 in samples such as sera, plasma, tissue lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

Batch No.: See product labels

Other Names: V-CAM 1; VCAM-1; CD106; Vcam1; Vcam-1;

Accession: P29533 VCAM1_MOUSE;

Specificity: Mouse VCAM-1

Storage: Store at 4°C

Specific References: Raoufi-Rad, N. et al. (2017) In vivo imaging of endothelial cell adhesion molecule expression after radiosurgery in an animal model of arteriovenous malformation. PLoS One. 12(9):e0185393 Application: Cultured cells. Species: Mouse

Kit components: The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.

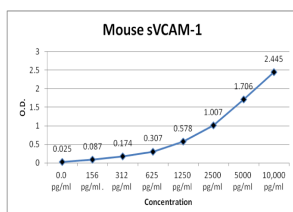
Range: 156 pg/ml - 10,000 pg/ml

Sensitivity: < 5 pg/ml

Kit protocol: Please refer to our online product listing for current protocol/MSDS versions.

| Concentration pg/ml | 0.0 pg/ml | 156 pg/ml | 312 pg/ml | 625 pg/ml | 1250 pg/ml | 2500 pg/ml | 5000 pg/ml | 10,000 pg/ml |
|------------------------|-----------|-----------|-----------|-----------|------------|------------|------------|--------------|
| O.D. | 0.025 | 0.087 | 0.174 | 0.307 | 0.578 | 1.007 | 1.706 | 2.445 |

This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.



FOR RESEARCH USE ONLY