

For Research Use Only

ESAM Recombinant monoclonal antibody

Catalog Number: 87684-1-RR



Basic Information

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| Catalog Number: 87684-1-RR | GenBank Accession Number: NM_027102.3 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 69524 | CloneNo.: 253062C8 |
| Source: Rabbit | UNIPROT ID: Q925F2 | Recommended Dilutions: WB: 1:500-1:2000 |
| Isotype: IgG | Full Name: endothelial cell-specific adhesion molecule | |
| Immunogen Catalog Number: EG6352 | Calculated MW: 42 kDa | |
| | Observed MW: 42-60 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : bEnd.3 cells, mouse lung tissue |
| Species Specificity: mouse | |

Background Information

ESAM, a 55 kDa type I transmembrane glycoprotein, possesses two extracellular Ig domains and a long cytoplasmic tail in which a PDZ domain is located (PMID: 22130718). The ~60 kDa band is glycosylated ESAM, and the lower band is deglycosylated ESAM.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

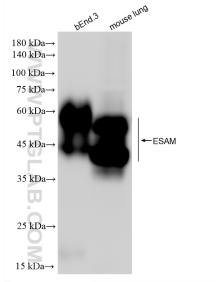
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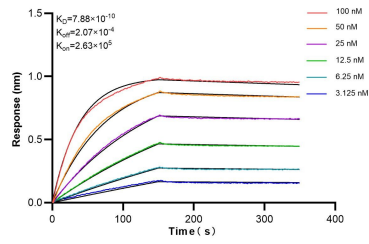
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87684-1-RR (ESAM antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87684-1-RR against Mouse ESAM were performed. The affinity constant is 0.788 nM.