

For Research Use Only

# Mouse ESAM Recombinant monoclonal antibody, PBS Only

Catalog Number: 87684-1-PBS



## Basic Information

<b>Catalog Number:</b> 87684-1-PBS	<b>GenBank Accession Number:</b> NM_027102.3	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 69524	<b>CloneNo.:</b> 253062C8
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q925F2	
<b>Immunogen Catalog Number:</b> EG6352	<b>Full Name:</b> endothelial cell-specific adhesion molecule	
	<b>Calculated MW:</b> 42 kDa	
	<b>Observed MW:</b> 42-60 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

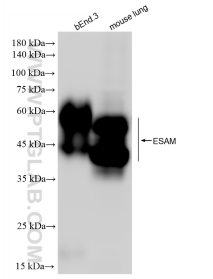
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

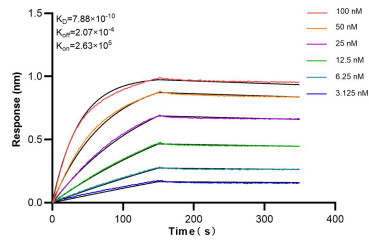
W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 87684-1-PBS in a different storage buffer formulation.



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