

## Recombinant Mouse ESAM Protein, His-tagged

**Cat. No.** ESAM-943M    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant mouse ESAM (Q925F2) (Met 1-Ala 251) was expressed, with a C-terminal polyhistidine tag.                                                                                                                                                                             |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                                                                           |
| <b>Source</b>               | HEK293                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>        | 1-251 a.a.                                                                                                                                                                                                                                                                      |
| <b>Predicted N Terminal</b> | Gln 30                                                                                                                                                                                                                                                                          |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.                                                                                                                                                                                                             |
| <b>Molecular Mass</b>       | The secreted recombinant mouse ESAM comprises 233 amino acids and has a calculated molecular mass of 25.6 kDa. As a result of different glycosylation, the apparent molecular mass of the recombinant protein is approximately 33-43 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                                 |
| <b>Purity</b>               | >92 % as determined by SDS-PAGE.                                                                                                                                                                                                                                                |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                                                                                                                                       |
| <b>Storage</b>              | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be                                                                                                                                                                                         |

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name**

Esam endothelial cell-specific adhesion molecule [ *Mus musculus* ]

**Official Symbol**

ESAM

**Synonyms**

ESAM; endothelial cell-specific adhesion molecule; endothelial cell-selective adhesion molecule; Esam1; W117m; 2310008D05Rik;

**Gene ID**

69524

**mRNA Refseq**

NM\_027102

**Protein Refseq**

NP\_081378

**MIM**
**UniProt ID**
**Pathway**

Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Leukocyte transendothel

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