

Human JAM-A Protein

Cat. No. JAM-HM10A

Description

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|-------------------------|--|
| Source | Recombinant Human JAM-A Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser28-Val238. |
| Accession | Q9Y624-1 |
| Molecular Weight | The protein has a predicted MW of 24 kDa. Due to glycosylation, the protein migrates to 28-35 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per μg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE |

Formulation and Storage

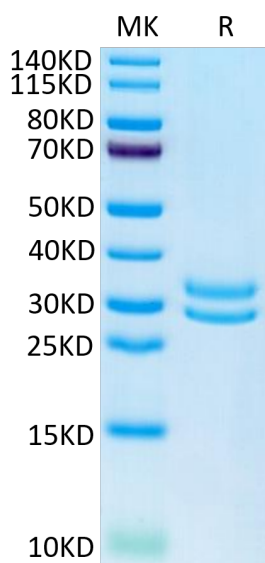
| | |
|--------------------|---|
| Formulation | Supplied as 0.22 μm filtered solution in PBS (pH 7.4). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

junctional adhesion molecule A (JAM-A), a cell adhesion molecule, is highly elevated in human GBM cancer stem cells and predicts poor patient prognosis. While JAM-A is also highly expressed in other cells in the tumor microenvironment, specifically microglia and macrophages, JAM-A functions to suppress pathogenic microglial activation in the female tumor microenvironment, highlighting an emerging role for sex differences in the GBM microenvironment and suggesting that sex differences extend beyond previously reported tumor cell-intrinsic differences.

Assay Data

Bis-Tris PAGE

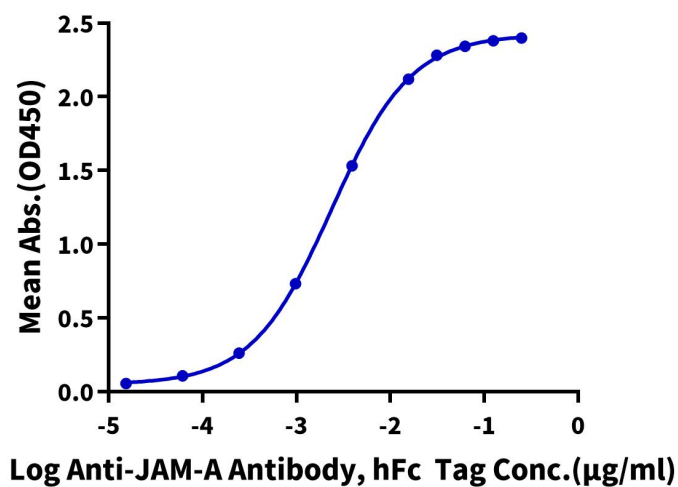


Human JAM-A on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human JAM-A, His Tag ELISA

0.1µg Human JAM-A, His Tag Per Well



Immobilized Human JAM-A, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-JAM-A Antibody, hFc Tag with the EC50 of 2.4ng/ml determined by ELISA.