

Recombinant Mouse CD155 protein, Mouse IgG2a Fc-tagged

Cat. No. CD155-388M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD155 protein (Asp29-Leu348), fused to Mouse IgG2a Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	320
Description	<p>CD155 (cluster of differentiation 155) also known as the poliovirus receptor is a protein that is encoded by the PVR gene. CD155 is a Type I transmembrane glycoprotein in the immunoglobulin superfamily. Commonly known as Poliovirus Receptor (PVR) due to its involvement in the cellular poliovirus infection in primates, CD155's normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells. The role of CD155 in the immune system is unclear, though it may be involved in intestinal humoral immune responses. Subsequent data has also suggested that CD155 may also be used to positively select MHC-independent T cells in the thymus.</p>
Form	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 61.8 kDa. The protein migrates as 35 kDa and 70-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 0.1 EU per ug by the LAL method.
Purity	>95% as determined by reduced SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

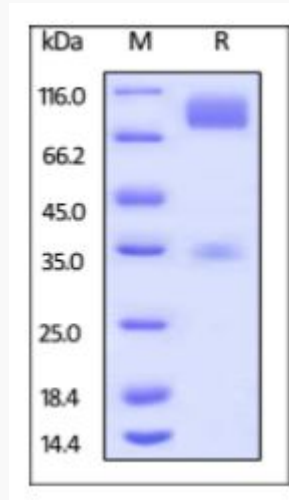
Gene Name	Pvr
Official Symbol	Pvr
Synonyms	PVS; mE4; HVED; Taa1; CD155; Tage4; necl-5; D7Ert458e; 3830421F03Rik
Gene ID	52118
mRNA Refseq	NM_027514.2
Protein Refseq	NP_081790.1
UniProt ID	Q8K094

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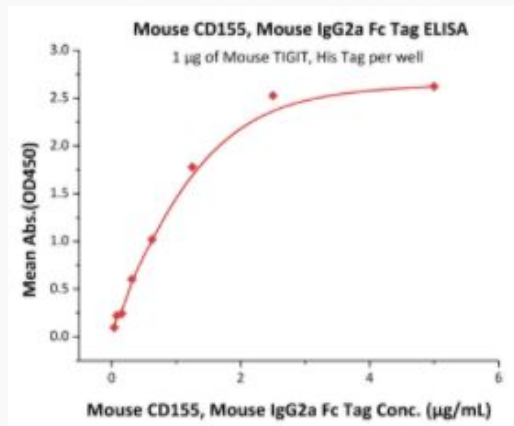
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SDS-PAGE of CD155-388M



Mouse CD155, Mouse IgG2a Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA of CD155-388M



Immobilized Mouse TIGIT, His Tag at 10 µg/mL (100 µL/well) can bind Mouse CD155, Mouse IgG2a Fc Tag with a linear range of 0.039-1.25 µg/mL (QC tested).

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