Human EMMPRIN/CD147 Protein

Cat. No. EPN-HM247

Description

Source	Recombinant Human EMMPRIN/CD147 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus.
	It contains Ala22-His205.
Accession	NP_940991.1
Molecular Weight	The protein has a predicted MW of 46.06 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

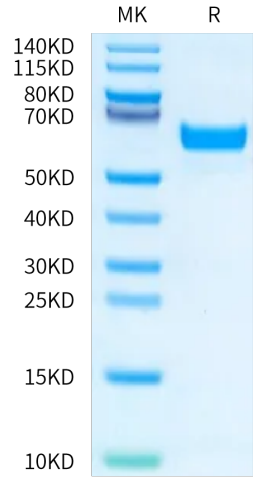
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD147, also known as extracellular matrix metalloproteinase inducer (EMMPRIN) or basigin, is expressed in a variety of cell types. It is involved in the regulation of extracellular matrix (ECM) remodeling during physiological and pathological processes including wound healing, inflammatory diseases, and cancer. CD147 is a diagnostic and therapeutic target in cancer and inflammatory diseases, either directly or indirectly, by targeting CD147 partners.

Assay Data

Bis-Tris PAGE



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

SEC-HPLC

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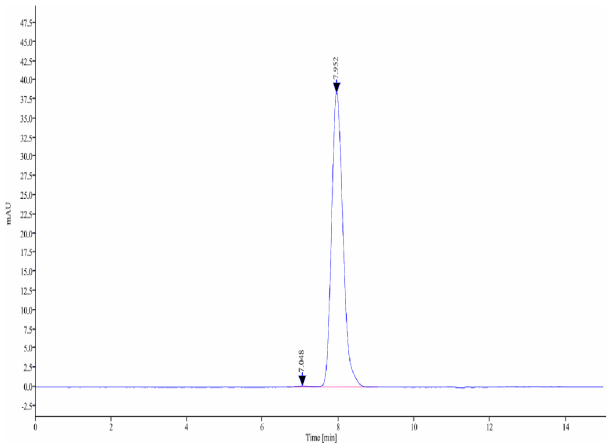
Assay Data



The purity of Human EMMPRIN is greater than 95% as determined by SEC-HPLC.

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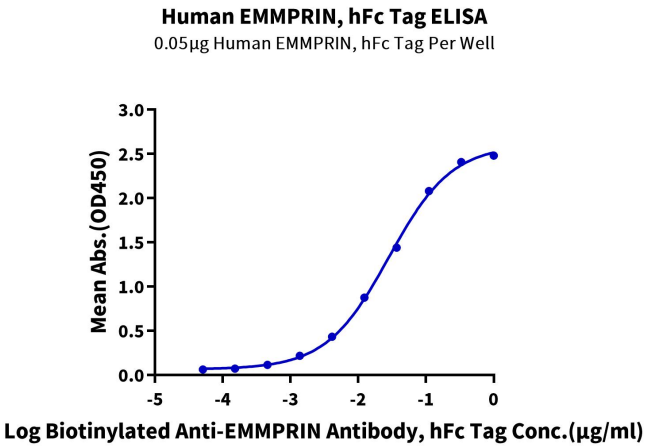
Assay Data

ELISA Data



Immobilized Human EMMPRIN, hFc Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Anti-EMMPRIN Antibody, hFc Tag with the EC50 of 28.5ng/ml determined by ELISA.