Canine EMMPRIN/CD147 Protein

Cat. No. EPN-DM147

Description

Source	Recombinant Canine EMMPRIN/CD147 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ala22-Arg205.
Accession	XP_533964.2
Molecular Weight	The protein has a predicted MW of 21.54 kDa. Due to glycosylation, the protein migrates to 30-45 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

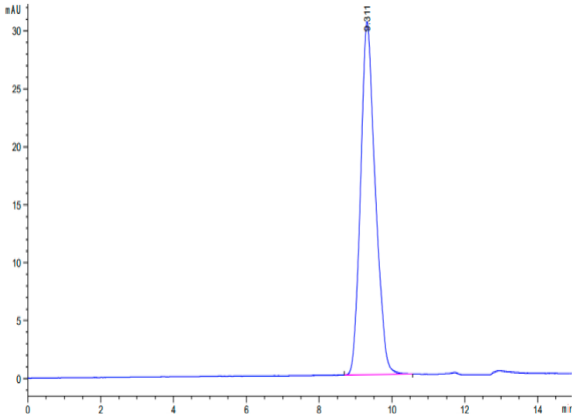
CD147, also known as extracellular matrix metalloproteinase inducer (EMMPRIN) or basigin, is expressed in a variety of cell types. It is involved in the regulation of extracellular matrix (ECM) remodeling during physiological and pathological processes including wound healing, inflammatory diseases,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

Assay Data

Tris-Bis PAGE

Canine EMMPRIN on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.

SEC-HPLC



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