Canine TNFSF15 Protein

Cat. No. FSF-DM115

Description

Source	Recombinant Canine TNFSF15 Protein is expressed from HEK293 with His tag at the N-terminus.
	It contains Pro106-Leu285.
Accession	A0A8C0NN74
Molecular Weight	The protein has a predicted MW of 21.28 kDa. Due to glycosylation, the protein migrates to 25-35 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

Formulation and Storage

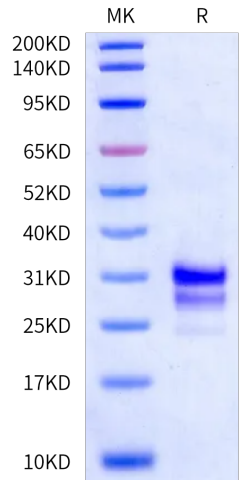
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

TNF superfamily member 15 (TNFSF15), a cytokine largely produced by vascular endothelial cells and a specific inhibitor of the proliferation of these same cells, can inhibit VEGF-induced vascular permeability in vitro and in vivo, and that death receptor 3 (DR3), a cell surface receptor of TNFSF15, mediates TNFSF15-induced dephosphorylation of VEGFR2.

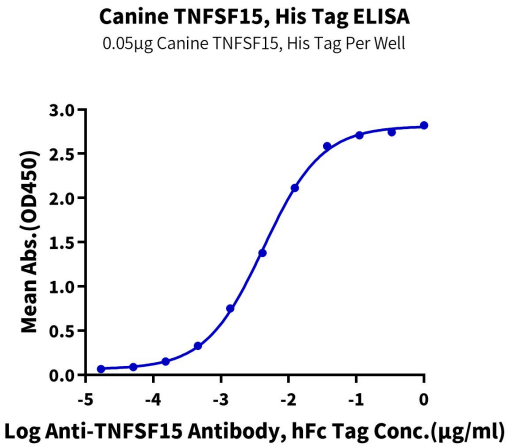
Assay Data

Bis-Tris PAGE



Canine TNFSF15 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data



Immobilized Canine TNFSF15, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-TNFSF15 Antibody, hFc Tag with the EC50 of 4.3ng/ml determined by ELISA.

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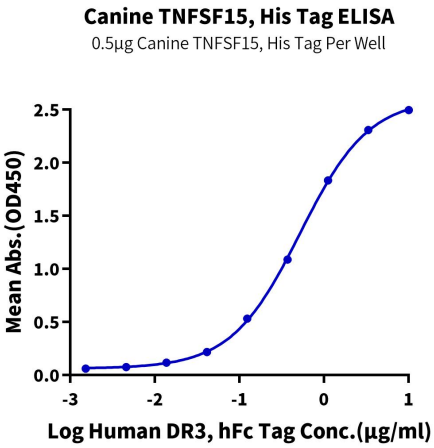
ELISA Data



Immobilized Canine TNFSF15, His Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Human DR3, hFc Tag with the EC50 of 0.52μg/ml determined by ELISA.