

Canine IL-2 R alpha/CD25 Protein

Cat. No. CD5-DM125



Description	
Source	Recombinant Canine IL-2 R alpha/CD25 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Asp22-Gln237.
Accession	O62802
Molecular Weight	The protein has a predicted MW of 26.1 kDa. Due to glycosylation, the protein migrates to 52-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	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	
IL-2 receptor alpha (IL-2 R alpha), also known as Tac antigen and as CD25, was initially identified as a 55 kDa membrane glycoprotein that is capable of binding IL2.eceptor for interleukin-2. The receptor is involved in the regulation of immune tolerance by controlling regulatory T cells (TREGs) activity. TREGs suppress the activation and expansion of autoreactive T-cells.	

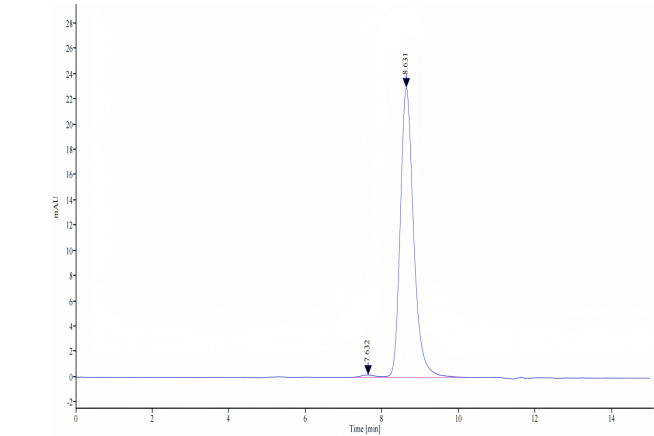
Assay Data

Bis-Tris PAGE



Canine IL-2 R alpha on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



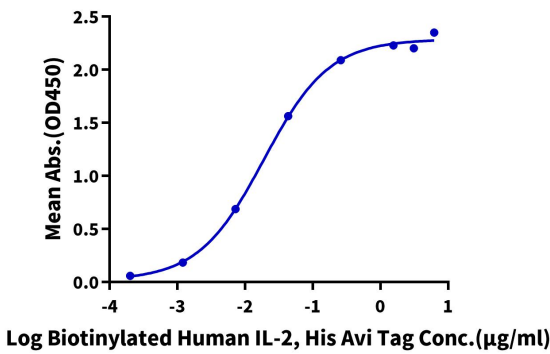
The purity of Canine IL-2 R alpha is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Canine IL-2 R alpha, His Tag ELISA

0.1µg Canine IL-2 R alpha, His Tag Per Well



Immobilized Canine IL-2 R alpha, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-2, His Avi Tag (Cat. IL2-HM401B) with the EC50 of 18.9ng/ml determined by ELISA.