Mouse CD300A Protein

Cat. No. CDA-MM201

Description

Source	Recombinant Mouse CD300A Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Leu28-Pro185.
Accession	Q6SJQ0-1
Molecular Weight	The protein has a predicted MW of 44.5 kDa. Due to glycosylation, the protein migrates to 60-70 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

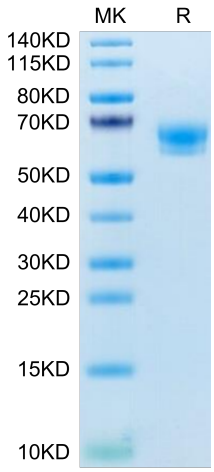
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD300a is an inhibitory receptor for mast cells and eosinophils in allergic inflammation (AI); however, the spatiotemporal expression of CD300a and its potential roles in the resolution of AI are still to be determined.CD300a expression on peritoneal cells is regulated from inflammation to resolution. CD300a activation on mouse bone marrow-derived mast cells regulated ALX/FPR2 expression levels following IgE-mediated activation.

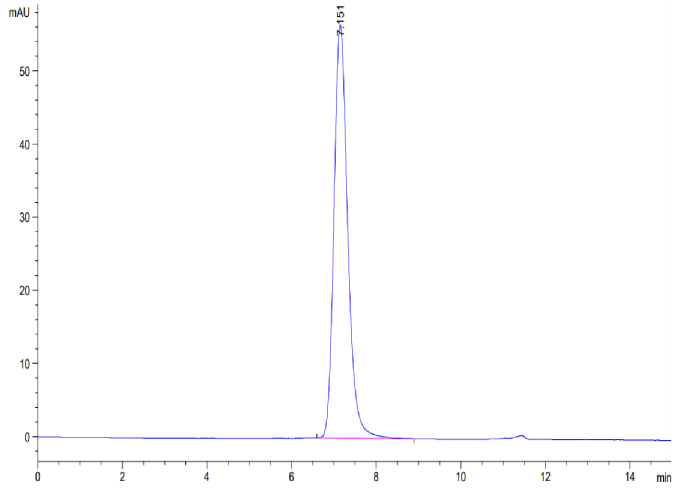
Assay Data

Tris-Bis PAGE



Mouse CD300A on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse CD300A is greater than 95% as determined by SEC-HPLC.