Active Recombinant mouse CD300C Protein, mIgG2A-tagged

Cat. No. CD300C-3087M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse CD300C (Cys22-Ser193) protein with Fc fragment of a Mouse IgG2A (Glu98-Lys330) at C-terminus was expressed in Chinese Hamster Ovary cell line.
Species	Mouse
Source	CHO
ProteinLength	22-193;98-330 a.a.
Predicted N Terminal	Cys22
Bio-activity	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells. Human T lymphocytes cultured for 72 hours with PHA were incubated for an additional 3 days in 96 well plates coated with 500 ng/mL anti-CD3 and serially diluted Recombinant Mouse CD300c/LMIR2 Fc Chimera. The ED50 for this effect is 0.6-3 μg/mL.
Molecular Mass	46 kDa (monomer)
Endotoxin	<0.10 EU per 1 μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

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Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 100 μg/mL in PBS.

GENE INFORMATION

Gene Name	Cd300c2 CD300C molecule 2 [Mus musculus (house mouse)]
Official Symbol	Cd300c2
Synonyms	Cd300c2; CD300C molecule 2; CMRF-35-like molecule 4; CLM; CMRF35-like molecule; Cd300C antigen; Cd300D antigen; MAIR-2; dendritic cell-derived Ig-like receptor 1; dendritic cell-derived immunoglobulin receptor 1; immunoglobulin superfamily, member 7; leukocyte mono-Ig-like receptor 2; myeloid-associated immunoglobulin-like receptor 2; myeloid-associated immunoglobulin-like receptor II; CLM4; CLM-4; DIgR1; Igsf7; Lmir2; Cd300c; Cd300d; MAIR-II
Gene ID	140497
mRNA Refseq	NM_134158
Protein Refseq	NP_598919
UniProt ID	Q7TSN2

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