

Active Recombinant Mouse Cytotoxic And Regulatory T Cell Molecule, Fc-tagged

Cat. No. Crtam-5613M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Crtamprotein was expressed in Murine myeloma cell line with the Fc part of humanIgG1 Pro100-Lys330 (C-terminus) and Ala17-Ser284 (N-terminus).
Species	Mouse
Source	Mammalian Cells
ProteinLength	17-284 a.a.
Description	Crtam (ClassIrestricted T cellassociated molecule) is a member of the nectin family ofthe immunoglobulin superfamily. It is expressed by activated CD8+ and NK Tcells. NK activation receptor engagement, but not cytokines, also inducesCratm expression on NK cells. Crtam is found in spleen, thymus, smallintestine, peripheral blood, and surprisingly, in brain where it is highlyexpressed by Purkinje cells of the cerebellum.
Form	Lyophilized from a 0.2µm filtered solution in PBS.
N-terminalSequence	Ala17
Molecular Weight	56.1 kDa
Activity	Measuredby its binding activity in a functional ELISA. Galiberet, L. et al. (2005) J.Biol. Chem. 280:21955. Immobilized rmCrtam/Fc Chimera at 2 µg/mL (100 µL/well)can

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	bind rmlGSF4A with a linear range of 0.15-10 µg/mL
Endotoxin Level	<1.0 EUper 1 µg of the protein by the LAL method.
SDS-PAGE	90 kDa,reducing conditions
Purity	>95%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstituteat 100 µg/mL in sterile PBS
Storage	Use a manualdefrost freezer and avoid repeated freeze-thaw cycles. 12 months from date ofreceipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditionsafter reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Crtam cytotoxic and regulatoryT cell molecule [Mus musculus]
Official Symbol	Crtam
Synonyms	Crtam; cytotoxicand regulatory T cell molecule; MGC141606, MGC141607; cytotoxic andregulatory T-cell molecule; class I-restricted T cell-associated molecule;class-I MHC-restricted T-cell-associated molecule; CD355
Gene ID	54698
mRNA Refseq	NM_019465
Protein Refseq	NP_062338

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UniProt ID	Q149L7
Chromosome Location	9 A5.1; 9 20.5 cM
Pathway	Adaptive ImmuneSystem; Immune System; Immunoregulatory interactions between a Lymphoid and anon-Lymphoid cell
Function	protein binding;receptor binding

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