
Recombinant Human CRTAMV/CD355 Protein(C-6His)**Cat.NO.: TP04860**

3th Edition

Synonyms:Cytotoxic and Regulatory T-Cell Molecule; Class-I MHC-Restricted T-Cell-Associated Molecule; CD355; CRTAM

Description:Cytotoxic and Regulatory T-Cell Molecule (CRTAM) is a member of Nectin family under the immunoglobulin superfamily that is expressed by activated CD8+ and NK T cells. CRTAM is found in spleen, thymus, small intestine, peripheral blood, and it is highly expressed by Purkinje cells of the cerebellum. CRTAM is a type I transmembrane glycoprotein containing one Ig-like C2-type domain and one Ig-like V-type domain in its extracellular domain, while its cytoplasmic region shows a potential class I PDZ domain. CRTAM is expressed as a homodimer on the cell surface but does not show homotypic binding in trans. The high affinity of CRTAM/IGSF4 adhesion allows CRTAM to disrupt IGSF4 homotypic interactions. IGSF4 and T cell receptor coengagement of CD8+ cells expressing CRTAM induces increased IFN γ or IL-22 production.

Form:PBS

Molecular Weight:31.0 kDa

Sequences:Ser18-Ser286

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 μ g of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.