

RPES8328

Product Information

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| Product SKU: RPES8328 | Expression Host: Mammalian | Size: 20µg |
| Tag: C-Fc | Reactivity: Human | Accession: O95727 |

Additional Information

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|--------------------------------|----------------------------|
| Calculated MW: 54.6 kDa | Observed MW: 80 kDa |
| Sequence: Ser18-Gly287 | |

Protein Information

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| Background: | <p>Cytotoxic and regulatory T-cell molecule, also known as Class-I MHC-restricted T-cell-associated molecule and CRTAM, is a single-pass type I membrane protein which belongs to the nectin family. CRTAM contains one Ig-like C2-type (immunoglobulin-like) domain and one Ig-like V-type (immunoglobulin-like) domain. In the immune system, the expression of CRTAM is restricted to activated class-I MHC-restricted cells, including NKT and CD8 cells. It is strongly expressed in spleen, thymus, small intestine, peripheral blood leukocyte, and in Purkinje neurons in cerebellum. It is expressed at much lower levels in testis, ovary, colon, lung and lymphoid tissues. CRTAM is a member of the immunoglobulin superfamily that complies with the structural characteristics of the JAM family of proteins and is phylogenetically more closely related to nectin-like proteins. It is a molecule involved in epithelial cell adhesion. CRTAM is sensitive to intermediate filament disruption and treatment of monolayers with soluble CRTAM enhances cell-cell dissociation and lowers transepithelial electrical resistance. CRTAM may also induce retention by binding to CD8+ dendritic cells (DCs) at the late stage of activation before proliferation.</p> |
| Synonyms: | <p>CD355, Class I MHC restricted T cell associated molecule, Class-I MHC-restricted T-cell-associated molecule, CRTAM, CRTAM, Cytotoxic and regulatory T cell molecule, Cytotoxic and regulatory T-cell molecule</p> |
| Endotoxin: | <p>< 1.0 EU/mg of the protein as determined by the LAL method</p> |

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Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.