

RPES8428

Product Information

Product SKU: RPES8428	Expression Host: Mammalian	Size: 20µg
Tag: C-Fc	Reactivity: Mouse	Accession: Q61003

Additional Information

Calculated MW: 66.9 kDa	Observed MW: 80-100 kDa
Sequence: Gly17-Thr398	

Protein Information

Background: T-cell differentiation antigen CD6, also known as TP12 and CD6, is a single-pass type I membrane protein which contains three SRCR domains. CD6 / TP12 is a cell surface glycoprotein expressed primarily on T cells, it may function as a costimulatory molecule and may play a role in autoreactive immune responses. CD6 / TP12 is expressed by thymocytes, mature T-cells, a subset of B-cells known as B-1 cells, and by some cells in the brain. CD6 ligand termed CD166 (previously known as activated leukocyte cell adhesion molecule, ALCAM) has been identified and shown to be expressed on activated T cells, B cells, thymic epithelium, keratinocytes, and in rheumatoid arthritis synovial tissue. CD6 / TP12 binds to activated leukocyte cell adhesion molecule (CD166), and is considered as a costimulatory molecule involved in lymphocyte activation and thymocyte development. CD6 / TP12 partially associates with an the TCR / CD3 complex and colocalizes with an it at the center of the mature immunological synapse (IS) on T lymphocytes. During thymic development CD6-dependent signals may contribute both to thymocyte survival, and to the overall functional avidity of selection in both man and Mouse.

Synonyms: CD_antigen=CD6, CD6, CD6 antigen Tp120, CD6 molecule, CD6, FLJ44171, OX52, T cell differentiation antigen CD6, T-cell differentiation antigen CD6, T12, TP120

Endotoxin: < 1.0 EU/mg of the protein as determined by the LAL method

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

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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.