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Product Datasheet

Recombinant Human ALCAM (C-Fc) EBT-EPT251

Article Name	Recombinant Human ALCAM (C-Fc)
Biozol Catalog Number	EBT-EPT251
Supplier Catalog Number	EPT251
Alternative Catalog Number	EBT-EPT251-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human CD166 Antigen is produced by our Mammalian expression system and the target gene encoding Trp28-Ala526 is expressed with a Fc tag at the C-terminus....
Molecular Weight	Molecular weight: 82.7 KDa. Apparent molecular weight: 110-125 KDa, reducing conditions
UniProt	Q13740
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test. Background: Activated leukocyte cell adhesion molecule (ALCAM), also named as CD166 and MEMD, is a typeI transmembrane glycoprotein of immunoglobulin superfamily, which mediates homotypic and heterotypic interactions between cells. ALCAM is expressed on thymic epithelium, microvascular endothelium, activated lymphocytes and monocytes, and monocytederived dendritic cells. ALCAM mediates low-affinity adhesion with itself or the cysteine-rich scavenger receptor CD6 to regulate T cell development, immunological synapses (IS), and cell migration through endothelial junctions. ALCAM on thymic epithelia mediates adhesion to CD6 on CD4+CD8+ T cells. Adhesion of ALCAM expressing antigen presenting cells and CD6-expressing T cells stabilizes the early IS, while later it enhances CD3 effects on T cell proliferation, CD25 expression, and Th1 commitment. ALCAM may influence expression or adhesion of the neuronal adhesion molecule NCAML1, both in the developing retina and invasive melanoma