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37-1049: Human CD166 / ALCAM Recombinant Protein (Fc Tag)(Discontinued)

Reactivity: Human

Alternative Name: CD166 Protein, MEMD Protein,

Description

Source: HEK293 Cells

Activated leukocyte cell adhesion molecule (ALCAM)/Cluster of differentiation (CD166) is a type I transmembrane cell adhesion molecule belonging to the Ig superfamily and a ligand for CD6 that is expressed on T lymphocytes. The extracellular domain of ALCAM contains five Ig-like domains (three Ig-like C2-type domains and two Ig-like V-type domains), of which the amino-terminal V1 domain is essential for ligand binding and ALCAM-mediated cell aggregation. ALCAM mediates both heterophilic (ALCAM-CD6) and homophilic (ALCAM-ALCAM) cell-cell interactions. ALCAM/CD6 interaction plays a role in T cell development and T cell regulation, as well as in the binding of T- and B-cells to activated leukocytes. Recently, homophilic (ALCAM-ALCAM) adhesion was shown to play important roles in tight cell-to-cell interaction and regulation of stem cell differentiation. While expressed in a wide variety of tissues, ALCAM is usually restricted to subsets of cells involved in dynamic growth and/or migration, including neural development, branching organ development, hematopoiesis, immune response and tumor progression. And CD166 is regarded as a potential novel breast cancer indicator and therapeutic target.

Product Info

Amount: Human CD166 / ALCAM Recombinant Protein (Fc Tag)(Discontinued) / 200 μg

Purification: > 90 % as determined by SDS-PAGE.

Formulation Lyophilized from sterile PBS, pH 7.4.

Content: Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before

lyophilization.

Storage condition : Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Amino Acid: Met1-Ala526

Application Note

Endotoxin :< 1.0 EU per μ g protein as determined by the LAL method.

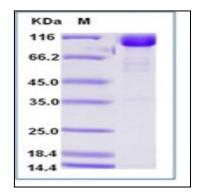


Fig 1: Human CD166 / ALCAM Recombinant Protein (Fc Tag)