

Human CEACAM6 Protein; His Tag

Product Information

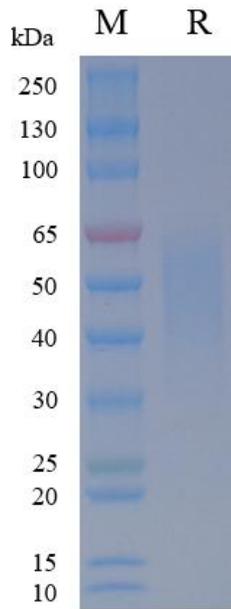
Product Name	Human CEACAM6 Protein; His Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88551RP-100 / 100 μg GM-88551RP-1000 / 1 mg

Protein Information

Alternative Names	CEACAM6, CD66c, CEAL, NCA
Source	Human CEACAM6 Protein; His Tag (GM-88551RP) is expressed from human 293 cells (HEK-293). It contains AA Lys 35 - Gly 320 (Accession # P40199-1). This protein carries a His tag at the C-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	32.1 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	<p>Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6), also known as CD66c, is a glycosylphosphatidylinositol (GPI)-anchored member of the CEACAM family. It is expressed on various epithelial cells and certain hematopoietic cells, where it functions in cell-cell adhesion, modulation of immune responses, and tumor biology. CEACAM6 can act as a ligand and co-receptor, influencing signaling events at the cell surface without necessarily transmitting intracellular signals on its own.</p> <p>CEACAM6 can participate in cis or trans interactions that modulate signaling networks, often by clustering with other receptors or integrins. While CEACAM6 itself is not a canonical transmembrane signaling receptor, engagement or cross-linking can activate downstream pathways indirectly, including PI3K-AKT, MAPK, and Src-family kinases, depending on the cellular context and co-receptors present. CEACAM6 expression has been associated with processes such as cell adhesion, migration, and malignant progression in various cancers, where it can influence survival signals and immune evasion.</p>

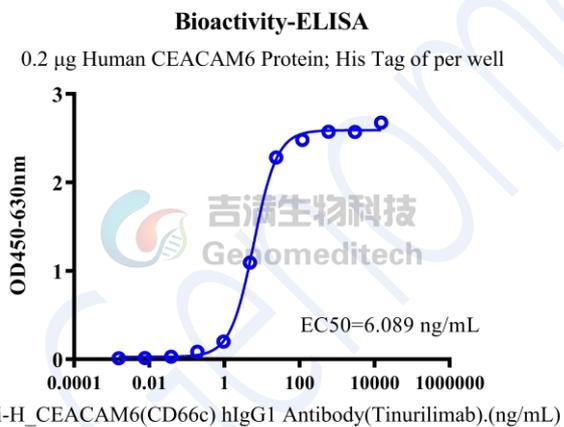
Version:4.0

SDS-PAGE



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Human CEACAM6 Protein; His Tag (Catalog # GM-88551RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-H_CEACAM6(CD66c) hIgG1 Antibody (Tinurilimab) (Catalog # GM-30166AB) were added.