

Cynomolgus CD276(B7H3 4Ig) Protein; hFc Tag

Product Information

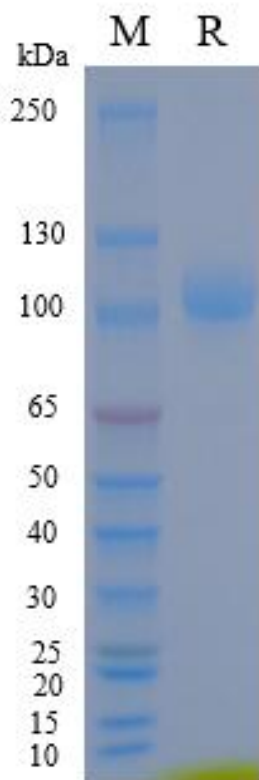
Product Name	Cynomolgus CD276(B7H3 4Ig) Protein; hFc Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Catalog# / Size	GM-88767RP-100 / 100 μg GM-88767RP-1000 / 1 mg
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Protein Information

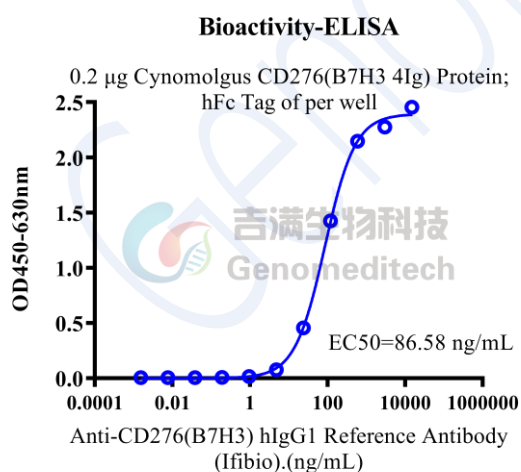
Alternative Names	PSEC0249, UNQ309, PRO352, B7 homolog 3
Source	Cynomolgus CD276(B7H3 4Ig) Protein; hFc Tag (GM-88767RP) is expressed from human 293 cells (HEK-293). It contains AA Leu 29 - Glu 465 (Accession # XP_015308534.1). This protein carries a hFc tag at the C-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	73.0 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	CD276 protein (also known as B7-H3, B7 homolog 3, or 4Ig-B7-H3) is a type I transmembrane glycoprotein belonging to the B7 family of immune checkpoint regulators. It exists in two isoforms (2Ig and 4Ig), with the 4Ig form being predominant in humans, and plays a key role in modulating T-cell responses, natural killer (NK) cell function, and tumor-immune interactions. Current CD276-targeted strategies under investigation include monoclonal antibodies, antibody-drug conjugates (ADCs), bispecific antibodies, and chimeric antigen receptor (CAR)-T cell therapies, designed to block CD276-mediated immune suppression or selectively deliver cytotoxic agents to CD276-positive tumor cells, thereby restoring anti-tumor immunity and inhibiting tumor progression. In summary, CD276 (B7-H3, 4Ig) is a critical immune checkpoint in tumor immune evasion, with significant implications for understanding cancer immunology, developing next-generation immunotherapies, and assessing patient prognosis.

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 95%.

Bioactivity-ELISA



Cynomolgus CD276(B7H3 4Ig) Protein; hFc Tag (Catalog # GM-88767RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-CD276(B7H3) hIgG1 Reference Antibody(Ifibio) (Catalog # GM-87345MAB) were added.