

Biotinylated Human CD276(B7H3 4Ig) Protein; His-Avi Tag

Product Information

Product Name Biotinylated Human CD276(B7H3 4Ig) Protein; His-Avi 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-87620RP-25 / 25 μg**
GM-87620RP-200 / 200 μg

Protein Information

Alternative Names 4Ig-B7-H3,B7-H3,CD276,PSEC0249,UNQ309,PRO352,B7 homolog 3

Source Biotinylated Human CD276(B7H3 4Ig) Protein; His-Avi Tag (GM-87620RP) is expressed from human 293 cells (HEK-293). It contains AA Gly 27 - Thr 461 (Accession # Q5ZPR3-1).

This protein carries a His-Avi 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 50.2 KDa

Formulation Supplied as a 0.2 μm filtered solution of PBS, pH7.4.

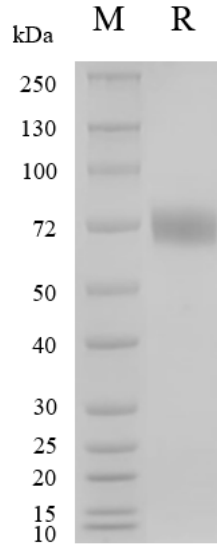
Description B7H3, also known as CD276, is a protein belonging to the B7 family of immune regulatory molecules. It is a transmembrane protein that plays a significant role in immune regulation and tumor immunotherapy. B7H3 can exist in different structural forms, with variations such as 4IG (containing 4 immunoglobulin domains) and 2IG (containing 2 immunoglobulin domains).

This protein is known to be highly expressed in various tumors and is closely associated with tumor development, progression, and prognosis. In the context of tumor immunotherapy, B7H3 serves as an important target due to its ability to modulate T cell responses. Inhibiting B7H3 protein can enhance the killing capacity of T cells against tumor cells, thereby improving the effectiveness of cancer treatment.

Overall, B7H3 plays a crucial role in immune regulation, immune response modulation, and tumor immune evasion. Understanding the mechanisms involving B7H3 protein can provide valuable insights into immunotherapy strategies and tumor development.

Version:3.3 Revision Date:25/12/2023

SDS-PAGE

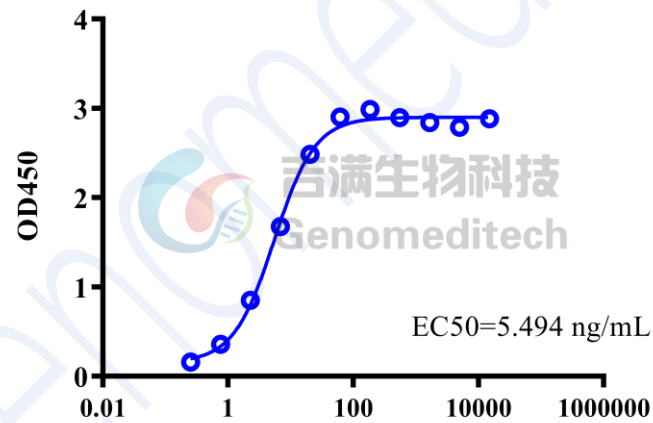


On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA

Bioactivity-ELISA

0.1 μ g Biotinylated Human CD276(B7H3 4Ig) Protein; His-Avi Tag of per well



Anti-CD276(B7H3) hIgG1 Reference Antibody(Ifibio).(ng/mL)

Biotinylated Human CD276(B7H3 4Ig) Protein; His-Avi Tag (Catalog # GM-87620RP) was immobilized at 1 μ g/ml (100 μ L/well) on streptavidin precoated. Increasing concentrations of Anti-CD276(B7H3) hIgG1 Reference Antibody(Ifibio) (Catalog # GM-87345MAB) were added.