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Product Sheet

Biotinylated Human ALPPL2 Protein; His-Avi Tag

GM-85161RP-25 / 25 μg
GM-85161RP-200 / 200 μg

Product Information

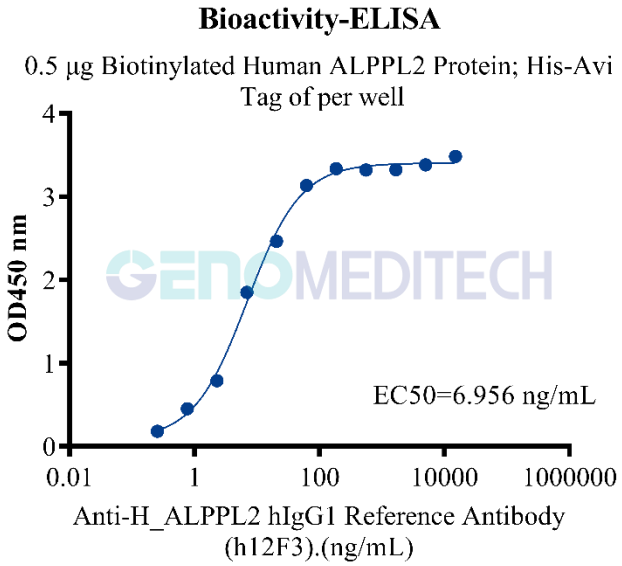
Product Name	Biotinylated Human ALPPL2 Protein; His-Avi Tag
Source	Biotinylated Human ALPPL2 Protein; His-Avi Tag (GM-85161RP) is expressed from human 293 cells (HEK-293). It contains AA Ile 20 - Asp 503 (Accession # P10696-1). This protein carries a His & Avi tag at the C-terminus.
Predicted MW	55.2 kDa
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Formulation	Liquid; Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Storage	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Shipping	Shipped on dry ice.
Synonyms	ALPG, GCAP, ALP-1, ALPPL2, PLAP-like, ALPPL, Alkaline phosphatase, germ cell type
Background	ALPPL2 (alkaline phosphatase, placental-like 2), also termed germ cell alkaline phosphatase, is a glycosylphosphatidylinositol-anchored ectoenzyme of the tissue-specific alkaline phosphatase family. This zinc- and magnesium-dependent phosphomonoesterase hydrolyzes phosphate monoesters at alkaline pH and modulates extracellular phosphate homeostasis. Physiologically, ALPPL2 is largely confined to placental trophoblasts, germ cells and naive pluripotent stem cells, where it helps sustain the pluripotency network. It is, however, aberrantly re-expressed in a broad range of malignancies—testicular and ovarian germ cell tumors, mesothelioma, and pancreatic, gastric and colorectal carcinomas—while remaining virtually undetectable in normal adult tissues. This oncofetal pattern and its cell-surface accessibility make ALPPL2 an attractive target for antibody-drug conjugates and CAR-T therapy.

Version 4.0.26.1019

For research use only!

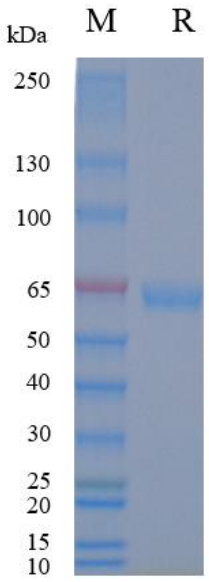
Data

Affinity



Biotinylated Human ALPPL2 Protein; His-Avi Tag (Catalog # GM-85161RP) was immobilized at 5 μg/ml (100 μl/well). Increasing concentrations of Anti-H_ALPPL2 hIgG1 Reference Antibody (h12F3) (Catalog # GM-86291MAB) were added.

Purity



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

Related Products

ALPPL2;ALPP	
Cynomolgus_ALPP HEK-293 Cell Line	H_ALPI HEK-293 Cell Line
H_ALPL HEK-293 Cell Line	H_ALPP CHO-K1 Cell Line
H_ALPP CT26 Cell Line	H_ALPP HEK-293 Cell Line

H_ALPP LLC1 Cell Line	H_ALPP MC38 Cell Line
H_ALPPL2(ALPG) CHO-K1 Cell Line	H_ALPPL2(ALPG) CT26 Cell Line
H_ALPPL2(ALPG) HEK-293 Cell Line	H_ALPPL2(ALPG) LLC1 Cell Line
H_ALPPL2(ALPG) MC38 Cell Line	
Anti-ALPPL2 hIgG1 antibody(SGN-ALPV)	Anti-ALPPL2 mIgG2a antibody(SGN-ALPV)
Anti-H_ALPPL2 hIgG1 Reference Antibody(h12F3)	Anti-ALPPL2-MMAE ADC(Dar4)[SGN-ALPV]
Biotinylated Cynomolgus ALPI Protein; His-Avi Tag	Biotinylated Cynomolgus ALPL Protein; His-Avi Tag
Biotinylated Cynomolgus ALPP Protein; His-Avi Tag	Biotinylated Human ALPI Protein; His-Avi Tag
Biotinylated Human ALPL Protein; His-Avi Tag	Biotinylated Human ALPP Protein; His-Avi Tag
Cynomolgus ALPI Protein; His Tag	Cynomolgus ALPL Protein; His Tag
Human ALPI Protein; His Tag	Human ALPL Protein; His Tag
Human ALPP Protein; His Tag	Human ALPPL2 Protein; hFc Tag
Human ALPPL2 Protein; His Tag	
ADC Related Product	
Anti-DXD Mouse IgG1 Antibody (23E21C5)	Anti-DXD Mouse IgG1 Antibody (4A5A12)
Anti-Dxd Mouse IgG2a Antibody (17D6A4)	Anti-Eribulin Mouse IgG2a Antibody (10F8G4)
Anti-MMAE Mouse IgG1 Antibody (11C10E3)	Anti-MMAE Mouse IgG2a Antibody (17A1K11)
Anti-MMAE Mouse IgG2a Antibody (8F6A3)	Anti-SN38 Mouse IgG1 Antibody(59H11C7)
Mouse anti Human IgG1-DXD(Dar8)	Mouse anti Human IgG1-MMAE(Dar4)
Human IgG1 Isotype-DXD (Dar8)	Human IgG1 Isotype-Eribulin (Dar4)
Human IgG1 Isotype-MMAE (Dar4)	
Recombinant DT3C Protein	

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