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Anti-CDCP1 hIgG1 Antibody(CuB4-69)

Product information

GM-88098AB-10	10 μg
GM-88098AB-100	100 μg
GM-88098AB-1000	1 mg

Antibody Information

Species Reactivity	Human; Cynomolgus
Clone	CuB4-69
Source/Isotype	Human IgG1 κ
Application	Bioactivity-ELISA; Flow Cytometry
Target	Detects CDCP1
Gene	CDCP1
Other Names	CD318, SIMA135, TRASK
Gene ID	64866 (Human), 102129146 (Cynomolgus)
Background	CDCP1 (CUB Domain Containing Protein 1), also known as SP53 (or *OPT*), is a transmembrane protein belonging to the CUB-domain-containing glycoprotein family. It participates in processes such as cell migration, adhesion, and morphological changes; in some cell types, it may influence the activation of signaling pathways such as Erk and Akt. Research on its involvement in tumor initiation, progression, and metastasis is increasing, suggesting a potential role in the tumor microenvironment. Some studies indicate that CDCP1 overexpression, deglycosylation, or exposure of its extracellular domain may promote tumor cell adhesion and migration.
Storage	Store at 2-8℃ short term (1-2 weeks).Store at ≤ -20℃ long term. Avoid repeated freeze-thaw.
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Bioactivity-ELISA

Human CDCP1 Protein; His Tag (Catalog # GM-88170RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-CDCP1 hIgG1 Antibody(CuB4-69) (Catalog # GM-88098AB) were added.

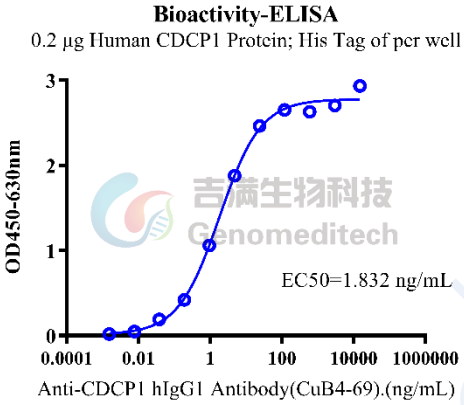


Fig. ELISA

Bioactivity-ELISA

Cynomolgus CDCP1 Protein; His Tag (Catalog # GM-88173RP) was immobilized at 6 μg/ml (100 μL/well). Increasing concentrations of Anti-CDCP1 hIgG1 Antibody(CuB4-69) (Catalog # GM-88098AB) were added.

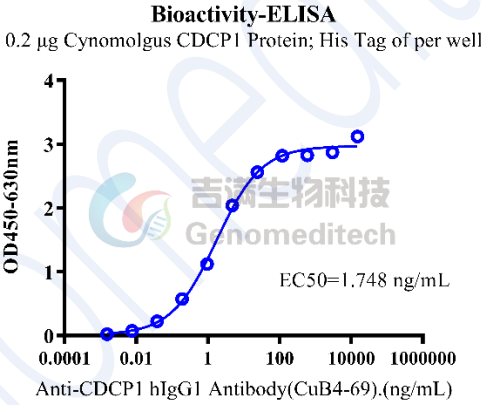
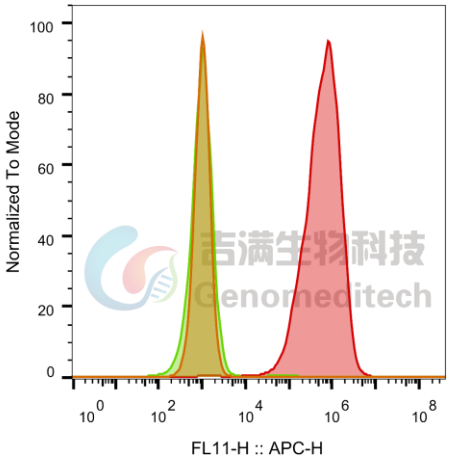


Fig. ELISA

Flow cytometry

H_CDCP1 CHO-K1 Cell Line (Catalog # GM-C41510) was stained with Anti-CDCP1 hIgG1 Antibody(CuB4-69) (Catalog # GM-88098AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



	SampleID	Geometric Mean : FL11-H
	CHO-K1 anti-CDCP1+APC-2nd Ab	1013
	CHO-K1 H_CDCP1 H_IgG+APC-2nd Ab	1012
	CHO-K1 H_CDCP1 anti-CDCP1+APC-2nd Ab	5.60E5

Fig. FACS