

Anti-CNTN4 hIgG4 Antibody(hAb-1)

Product information

GM-88283AB-10	10 µg
GM-88283AB-100	100 µg
GM-88283AB-1000	1 mg

Antibody Information

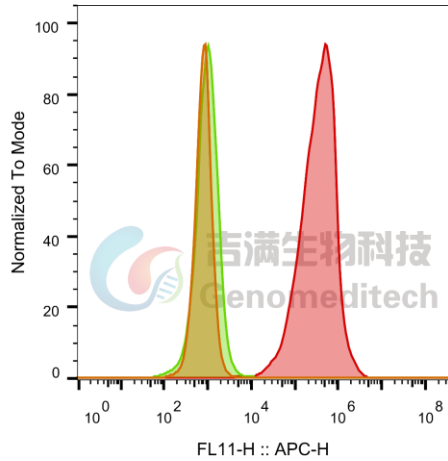
Species Reactivity	Human, Cynomolgus
Clone	hAb-1
Source/Isotype	Human hIgG4(S228P), Lambda2
Application	Flow Cytometry
Target	Detects CNTN4
Gene	CNTN4
Other Names	AXCAM, BIG-2
Gene ID	152330 (Human), 9541 (Cynomolgus)
Background	CNTN4 (Ctnn4) gene plays an important role in neural development and the establishment of neural networks, mainly by functioning through signaling and axon guidance pathways within the cell adhesion molecule family. Its pathway mechanisms involve networks of cell–cell adhesion molecules, interactions with the extracellular matrix, and the targeting and stabilization of synapses between neurons, influencing neuronal migration, axon guidance, dendrite morphology, and synapse formation and plasticity. In terms of expression significance, CNTN4 is highly expressed in specific regions of both the central and peripheral nervous systems, suggesting a key role in neuronal differentiation, network assembly, and information transmission efficiency; dysregulated expression and associations with various neurodevelopmental disorders, autism spectrum disorders, and certain epilepsies or psychiatric diseases are increasingly reported, underscoring its clinical relevance as a potential diagnostic biomarker and therapeutic target.
Storage	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Version:3.1

Data Examples

Flow cytometry

H_CNTN4 HEK-293 Cell Line (Catalog # GM-C42837) was stained with Anti-CNTN4 hIgG4 Antibody(hAb-1) (Catalog # GM-88283AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

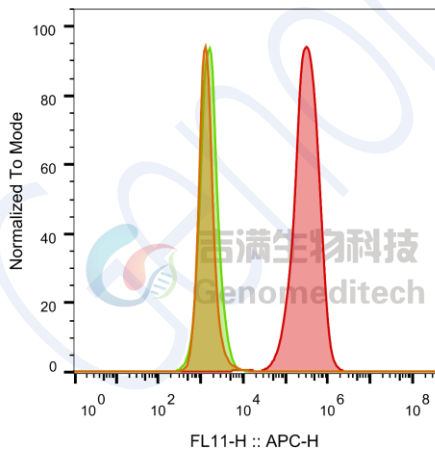


SampleID	Geometric Mean : FL11-H
HEK-293 anti-CNTN4+APC-2nd Ab	790
HEK-293 H_CNTN4 H_IgG+APC-2nd Ab	946
HEK-293 H_CNTN4 anti-CNTN4+APC-2nd Ab	323852

Fig. FACS

Flow cytometry

Cynomolgus_CNTN4 HEK-293 Cell Line (Catalog # GM-C42923) was stained with Anti-CNTN4 hIgG4 Antibody(hAb-1) (Catalog # GM-88283AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
HEK-293 anti-CNTN4+APC-2nd Ab	1396
HEK-293 Cyno_CNTN4 H_IgG+APC-2nd Ab	1585
HEK-293 Cyno_CNTN4 anti-CNTN4+APC-2nd Ab	300605

Fig. FACS