

Anti-CEACAM7 hIgG4 Antibody(2869)

Product information

GM-51007AB-10	10 µg
GM-51007AB-100	100 µg
GM-51007AB-1000	1 mg

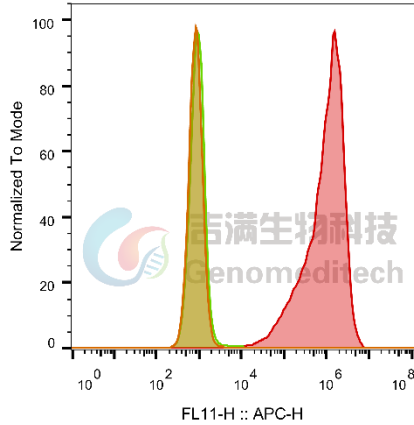
Antibody Information

Species Reactivity	Human; Cynomolgus
Clone	2869
Source/Isotype	Monoclonal human IgG4, κ
Application	Flow Cytometry
Specificity	Detects CEACAM7
Gene	CEACAM7
Other Names	CGM2
Gene ID	1087(human), 107128284(cynomolgus)
Background	Carcinoembryonic Antigen-Related Cell Adhesion Molecule 7 (CEACAM7), also known as CGM2, is a member of the CEA family of immunoglobulin superfamily. CEACAM7 contains an Ig - like V (immunoglobulin - like) domain and Ig - like C2 (immunoglobulin - like) domain. Alternative splicing produces a short isoform which lacks the second Ig - like domain. CEACAM7 is preferentially expressed on the luminal surface of epithelial cells near the colostomy and on pancreatic duct epithelial cells. It is strongly down-regulated during the progression of colorectal adenoma, but can be upregulated during the development of gastric cancer.
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.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Flow cytometry

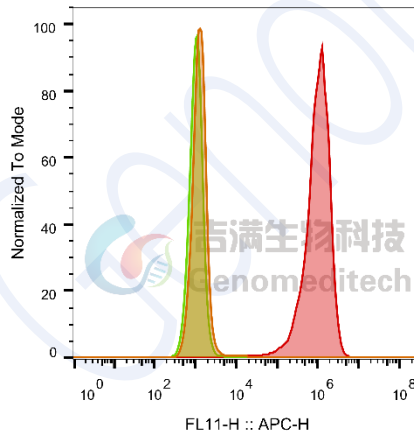
The recommended usage range is 0.5-4 μ g per test. H_CEACAM7 CHO-K1 Cell Line (Catalog # GM-C26049) was stained with Anti-CEACAM7 hIgG4 Antibody (Catalog # GM-51007AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
CHO-K1 anti-CEACAM7+APC-2dn Ab	867
CHO-K1 H_CEACAM7 H_IgG+APC-2dn Ab	960
CHO-K1 H_CEACAM7 anti-CEACAM7+APC-2dn Ab	8.39E5

Flow cytometry

The recommended usage range is 0.5-4 μ g per test. Cynomolgus_CEACAM7 CHO-K1 Cell Line (Catalog # GM-C26051) was stained with Anti-CEACAM7 hIgG4 Antibody (Catalog # GM-51007AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
CHO-K1 anti-CEACAM7+APC-2nd Ab	1288
CHO-K1 Cyno_CEACAM7 H_IgG+APC-2nd Ab	1053
CHO-K1 Cyno_CEACAM7 anti-CEACAM7+APC-2nd Ab	9.02E5