

Anti-H_CD70 hlgG1 Antibody(Cusatuzumab)

Product Information

GM-24024AB-10	10 µg
GM-24024AB-100	100 µg
GM-24024AB-1000	1 mg

Antibody Information

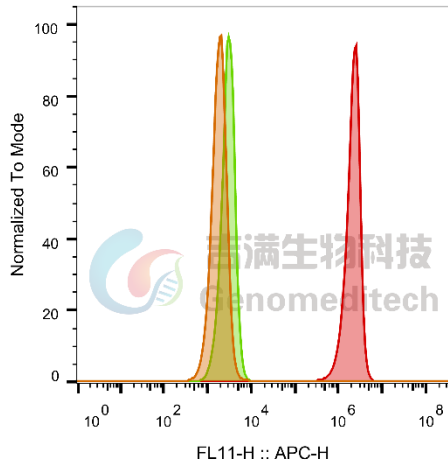
Species Reactivity	Human
Specificity	Detects human CD70.
Source/Isotype	Monoclonal human IgG1, λ
Other Names	CD27-L, CD27L, CD27LG, LPFS3, TNFSF7, TNLG8A
Gene ID	970(human)
Application	Flow cytometry: 1 µg-4 µg /test; FC-Quality tested
Background	CD70 (Cluster of Differentiation 70) is a protein that in humans is encoded by CD70 gene. CD70 is also known as a ligand for CD27. In physiological condition the expression of CD70 on immune cells is transient and tightly controlled. It is primarily expressed on highly activated T cells and B cells, as well as on NK cells and mature dendritic cells. CD70 expression on T and B cells is stimulated through triggering of T and B cell receptors and can be upregulated by cytokines such as IL-1α, IL-2, IL-12, GM-CSF and TNF-α, while IL-4 and IL-10 can decrease CD70 expression. Expression of CD70 on mDCs and pDCs is induced with Toll-like receptor (TLR) triggering and CD40 ligation. Also, CD70 can be induced on NK cells upon stimulation with IL-15.
Storage	Store at +4°C short term (1-2 weeks). Store at -20°C long term
Formulation	Phosphate-buffered solution, pH 7.2.

Version:2.1 Revision Date:10/10/2022

Data Examples

Flow cytometry

H_CD70 CHO-K1 Cell line (Catalog # GM-C12749) was stained with Anti-H_CD70 hlgG1 Antibody (Catalog # GM-24024AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
CHO-K1 anti-H_CD70+APC-2nd Ab	1839
CHO-K1 H_CD70 H_IgG+APC-2nd Ab	2950
CHO-K1 H_CD70 anti-H_CD70+APC-2nd Ab	2.06E6

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