

Anti-H_CD22 hlgG1 Antibody(Pinatuzumab)

Product information

GM-31561AB-10	10 µg
GM-31561AB-100	100 µg
GM-31561AB-1000	1 mg

Antibody Information

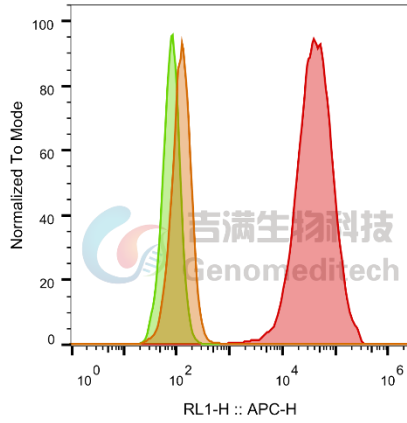
Species Reactivity	Human
Clone	Pinatuzumab
Source/Isotype	Monoclonal human IgG1/k
Application	Flow cytometry
Specificity	Detects CD22
Gene	CD22
Other Names	SIGLEC-2, SIGLEC2
Gene ID	933(human)
Background	CD22, or cluster of differentiation-22, is a molecule belonging to the SIGLEC family of lectins. It is found on the surface of mature B cells and to a lesser extent on some immature B cells. Generally speaking, CD22 is a regulatory molecule that prevents the overactivation of the immune system and the development of autoimmune diseases. CD22 is a sugar binding transmembrane protein, which specifically binds sialic acid with an immunoglobulin (Ig) domain located at its N-terminus. The presence of Ig domains makes CD22 a member of the immunoglobulin superfamily. CD22 functions as an inhibitory receptor for B cell receptor (BCR) signaling. It is also involved in the B cell trafficking to Peyer's patches in mice. In mice, it has been shown that CD22 blockade restores homeostatic microglial phagocytosis in aging brains.
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

Version:3.1 Revision Date:12/25/2023

Data Examples

Flow cytometry

The recommended usage range is 0.5-4 µg per test. H_CD22 CHO-K1 Cell Line (Catalog # GM-C18998) was stained with Anti-H_CD22 hIgG1 Antibody (Catalog # GM-31561AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : RL1-H
CHO-K1 anti-H_CD22+APC-2nd Ab	123
CHO-K1 H_CD22 H_IgG+APC-2nd Ab	79.6
CHO-K1 H_CD22 anti-H_CD22+APC-2nd Ab	39323

Fig. FACS