Genomeditech (Shanghai) Co.,Ltd.
Order: 021-68455258/50432826/50432825
Toll-free: 400 627 9288
Email: service@genomeditech.com

Anti-CD98 hIgG1 Antibody(NPB15)

Product information

GM-88220AB-10	10 μg
GM-88220AB-100	100 μg
GM-88220AB-1000	1 mg

Antibody Information

Species Reactivity	Cynomolgus
Clone	NPB15
Source/Isotype	Human IgG1(KDEL),kappa
Application	Flow Cytometry
Target	Detects CD98
Gene	CD98
Other Names	CD98LC, SLC7A5, 4F2LC, D16S469E, E16, LAT1, MPE16 CD98HC, SLC3A2, CD98, 4F2, 4F2HC, 4T2HC, CD98HC, MDU1
Gene ID	101866986 (Cynomolgus)
Background	CD98, also known as CD98HC CD98 protein or LAT1/CD98, is a type II membrane protein usually associated with the heavy chain of amino acid transporters such as LAT1. CD98 is widely expressed in many tissues, including liver, kidney, and various tumors. CD98 forms complexes with light chains of heterodimeric amino acid transporters such as LAT1 and LAT2. CD98 also interacts with integrins to affect cell adhesion and migration. CD98 is an important component of mTOR signaling pathway, which affects cell growth and proliferation. It also plays a role in integrin signaling pathways that regulate cell adhesion and migration. CD98 expression and function are associated with cancer and autoimmune diseases. High expression levels of CD98 are observed in various cancers, such as lymphomas, which are associated with increased tumor growth and poor prognosis. In autoimmune diseases such as Rheumatoid Arthritis, CD98 affects the activation and migration of immune cells. Proteins such as CP1 and FG1 interact with CD98 by affecting cellular and immune responses, leading to disease pathology.
Storage	Store at 2-8℃ short term (1-2 weeks).Store at ≤ -20℃ 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

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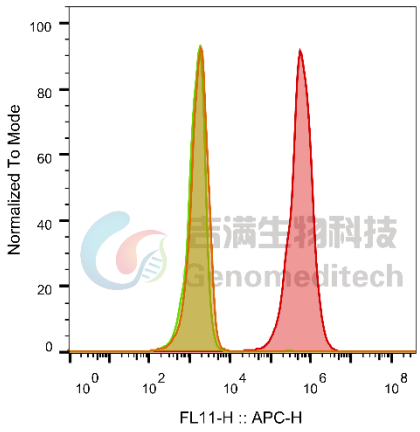
Data Examples

Flow cytometry

Cynomolgus_CD98hc(SLC3A2) CHO-K1 Cell Line (Catalog # GM-C29528) was stained with Anti-CD98 hIgG1 Antibody(NPB15) (Catalog # GM-88220AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



	SampleID	Geometric Mean : FL11-H
	CHO-K1 anti-CD98+APC-2nd Ab	1600
	CHO-K1 Cyno_CD98hc(SLC3A2) H_IgG+APC-2nd Ab	1470
	CHO-K1 Cyno_CD98hc(SLC3A2) anti-CD98+APC-2nd Ab	5.45E5

Fig. FACS

Version:3.1