

Anti-H_TFRC(CD71) hIgG1 Antibody(Pabinafusp)

Product Information

GM-30129AB-10	10 µg
GM-30129AB-100	100 µg
GM-30129AB-1000	1 mg

Antibody Information

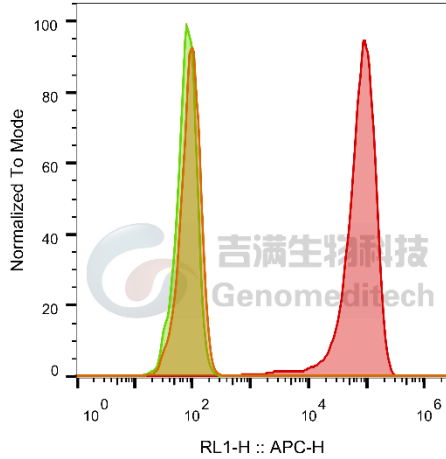
Species Reactivity	Human
Specificity	Detects human CD71. It also detects cynomolgus CD71.
Source/Isotype	Monoclonal human IgG1, κ
Other Names	IMD46, T9, TFR, TFR1, TR, TRFR, p90
Gene ID	7037(human); 102136007(cynomolgus)
Application	Flow cytometry: 0.5 µg-4 µg/test; FC-Quality tested
Background	Transferrin receptor protein 1 (TfR1), also known as Cluster of Differentiation 71 (CD71), is a protein that in humans is encoded by the TFRC gene. TfR1 is a transmembrane glycoprotein composed of two disulfide-linked monomers joined by two disulfide bonds. Each monomer binds one holo-transferrin molecule creating an iron-Tf-TfR complex which enters the cell by endocytosis. TfR1 has been shown to interact with GABARAP and HFE. CD71 is a robust immunohistochemistry marker for chorionic villi, especially in necrotic specimens. Among white blood cells and precursors, CD71 is expressed only by erythroid precursors within the normal hematopoietic marrow and spleen, in contrast to glycophorin that marks all types of red blood cells.
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

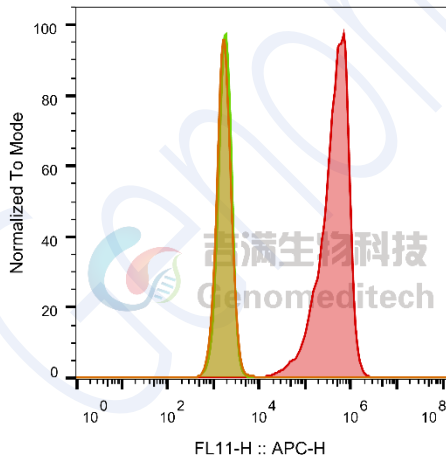
H_TFRC(CD71) CHO-K1 Cell Line (Catalog # GM-C19162) was stained with Anti-H_TFRC(CD71) hIgG1 Antibody (Catalog # GM-30129AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : RL1-H
CHO-K1 anti-H_TFRC+APC-2nd Ab	91.3
CHO-K1 H_TFRC H_IgG+APC-2nd Ab	79.3
CHO-K1 H_TFRC anti-H_TFRC+APC-2nd Ab	71822

Flow cytometry

Cynomolgus_TFRC(CD71) CHO-K1 Cell Line (Catalog # GM-C30605) was stained with Anti-H_TFRC(CD71) hIgG1 Antibody (Catalog # GM-30129AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
CHO-K1 anti-CD71+APC-2nd Ab	1733
CHO-K1 Cyno_CD71 H_IgG+APC-2nd Ab	1852
CHO-K1 Cyno_CD71 anti-CD71+APC-2nd Ab	4.02E5

Version:2.1 Revision Date:10/10/2022