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Anti-H_FcRn hIgG4 Antibody(Rozanolixizumab)

Product Information

GM-37413AB-10	10 μg
GM-37413AB-100	100 μg
GM-37413AB-1000	1 mg

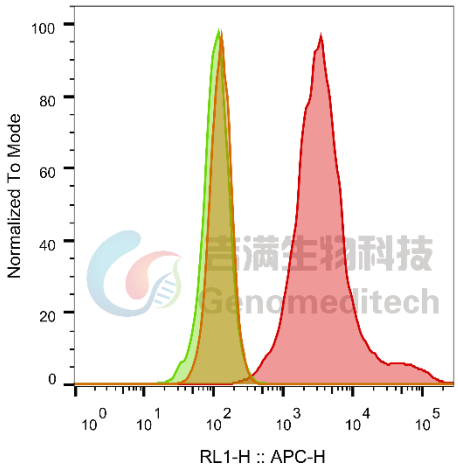
Antibody Information

Species Reactivity	Human
Clone	Rozanolixizumab
Source/Isotype	Monoclonal human IgG4, κ
Application	Flow cytometry
Specificity	Detects FcRn.
Gene	FcRn
Other Names	FCGRT, FcgammaRn, alpha-chain
Gene ID	2217(human)
Background	The neonatal Fc receptor (also FcRn, IgG receptor FcRn large subunit p51, or Brambell receptor) is a protein that in humans is encoded by the FCGRT gene. It is an IgG Fc receptor which is similar in structure to the MHC class I molecule and also associates with beta-2-microglobulin. In rodents, FcRn was originally identified as the receptor that transports maternal immunoglobulin G (IgG) from mother to neonatal offspring via mother's milk, leading to its name as the neonatal Fc receptor. In humans, FcRn is present in the placenta where it transports mother's IgG to the growing fetus. FcRn has also been shown to play a role in regulating IgG and serum albumin turnover. Neonatal Fc receptor expression is up-regulated by the proinflammatory cytokine, TNF-α, and down-regulated by IFN-γ.
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.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Flow cytometry

The recommended usage range is 0.5-4 μg per test. H_FcRn CHO-K1 Cell Line (Catalog # GM-C09637) was stained with Anti-H_FcRn hIgG4 Antibody (Catalog # GM-37413AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



	SampleID	Geometric Mean : RL1-H
	CHO-K1 anti-H_FcRn+APC-2nd Ab	126
	CHO-K1 H_FcRn H_IgG+APC-2nd Ab	108
	CHO-K1 H_FcRn anti-H_FcRn+APC-2nd Ab	3695

Fig. 流式验证结果