

Anti-IL31RA hlgG2 Antibody(Nemolizumab)

Product information

GM-50871AB-10	10 µg
GM-50871AB-100	100 µg
GM-50871AB-1000	1 mg

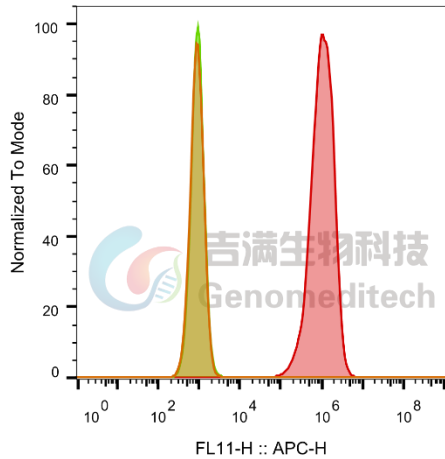
Antibody Information

Species Reactivity	Human; Cynomolgus
Clone	Nemolizumab
Source/Isotype	Monoclonal human IgG2, κ
Application	Flow cytometry; Block assay
Specificity	Detects IL31RA
Gene	IL31RA
Other Names	CRL, CRL3, GLM-R, GLMR, GPL, IL-31RA, PLCA2, PRO21384, hGLM-R, zcytoR17
Gene ID	133396(human), 102117994(cynomolgus)
Background	The protein encoded by the IL31RA, also known as gp130-Like Monocyte Receptor (GLM-R or GPL), belongs to the type I cytokine receptor family. Oncostatin M receptor (OSMR) and IL31RA form the heterodimeric receptor through which IL31 signals. Expression of IL31RA and OSMR mRNA is induced in activated monocytes, and both mRNAs are constitutively expressed in epithelial cells.
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

Data Examples

Flow cytometry

The recommended usage range is 0.5-4 μg per test. H_IL31RA CHO-K1 Cell Line (Catalog # GM-C25992) was stained with Anti-IL31RA hIgG2 Antibody (Catalog # GM-50871AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

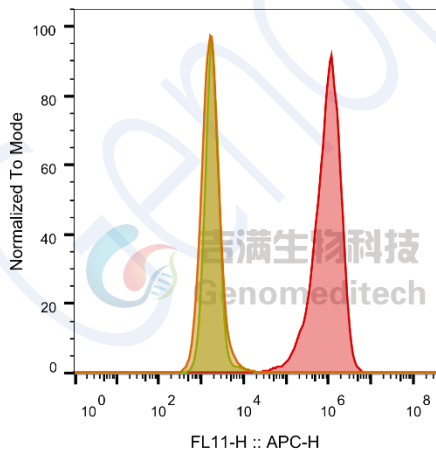


SampleID	Geometric Mean : FL11-H
CHO-K1 anti-IL31RA+APC-2nd Ab	900
CHO-K1 H_IL31RA H_IgG+APC-2nd Ab	925
CHO-K1 H_IL31RA anti-IL31RA+APC-2nd Ab	9.90E5

Fig. FACS

Flow cytometry

The recommended usage range is 0.5-4 μg per test. Cynomolgus_IL31RA CHO-K1 Cell Line (Catalog # GM-C25996) was stained with Anti-IL31RA hIgG2 Antibody (Catalog # GM-50871AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

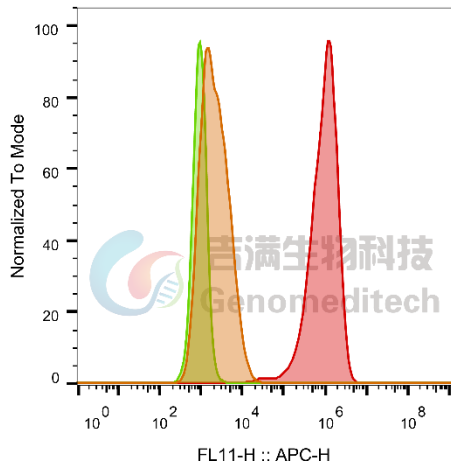


SampleID	Geometric Mean : FL11-H
CHO-K1 anti-IL31RA+APC-2nd Ab	1703
CHO-K1 Cyno_IL31RA H_IgG+APC-2nd Ab	1866
CHO-K1 Cyno_IL31RA anti-IL31RA+APC-2nd Ab	8.79E5

Fig. FACS

Block assay

The recommended usage range is 0.5-4 μg per test. H_IL-31 Reporter Cell Line (Catalog # GM-C25989) was stained with Anti-IL31RA hIgG2 Antibody (Catalog # GM-50871AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
Null anti-IL31RA+APC-2nd Ab	2154
H_IL-31 Reporter H_IgG+APC-2nd Ab	942
H_IL-31 Reporter anti-IL31RA+APC-2nd Ab	8.77E5

Fig. FACS

Block assay

Anti-IL31RA hIgG2 Antibody (Catalog # GM-50871AB) inhibits
 H_IL-31 Reporter Cell Line (Catalog # GM-C25989)
 Luminescence induced by IL31 Protein.

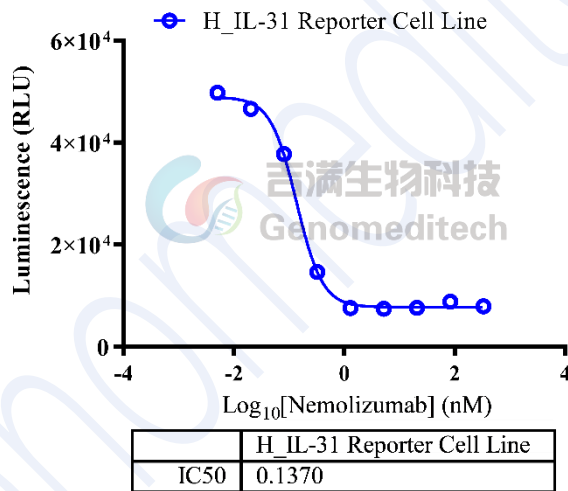


Fig. assay