

Anti-H_Tigit hlgG1 Antibody(Vibostolimab)

Product information

GM-24029AB-10	10 µg
GM-24029AB-100	100 µg
GM-24029AB-1000	1 mg

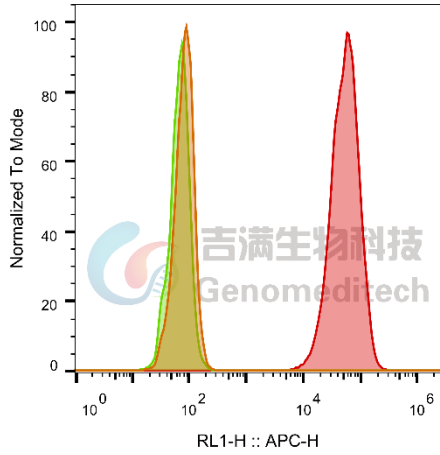
Antibody Information

Species Reactivity	Human; Cynomolgus
Clone	Vibostolimab
Source/Isotype	Monoclonal human IgG1, κ
Application	Flow cytometry; Activation assay; Bioactivity-ELISA
Other Names	VSIG9; VSTM3; WUCAM
Gene ID	201633
Background	T cell immunoglobulin and ITIM domain (TIGIT) is an inhibitory receptor expressed on lymphocytes that was recently propelled under the spotlight as a major emerging target in cancer immunotherapy. TIGIT interacts with CD155 expressed on antigen - presenting cells or tumour cells to down - regulate T cell and natural killer (NK) cell functions. TIGIT marks exhausted T cells in the tumor microenvironment and during human immunodeficiency virus (HIV) infection. Research has shown TIGIT interacts with several receptors expressed on antigen presenting cells, such as dendritic cells and macrophages, as well as tumor cells and cells of the microenvironment.
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

H_TIGIT CHO-K1 Cell Line(Catalog # GM-C18929) was stained with Anti-H_Tigit hlgG1 Antibody(Vibostolimab) or isotype control antibody.

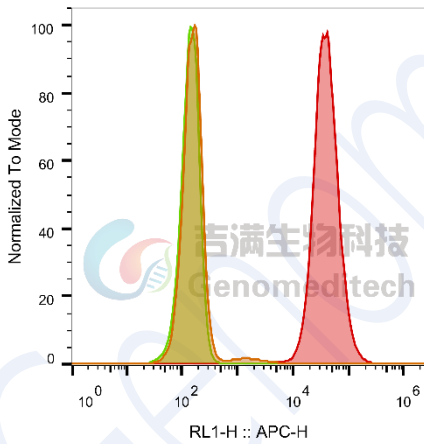


SampleID	Geometric Mean : RL1-H
CHO-K1 anti-H_TIGIT+APC-2nd Ab	81.7
CHO-K1 H_TIGIT H_IgG+APC-2nd Ab	68.7
CHO-K1 H_TIGIT anti-H_TIGIT+APC-2nd Ab	52074

Fig. FACS

Flow cytometry

Cynomolgus_TIGIT CHO-K1 Cell Line (Catalog # GM-C21597) was stained with Anti-H_Tigit hlgG1 Antibody(Vibostolimab) or isotype control antibody.



SampleID	Geometric Mean : RL1-H
CHO-K1 anti-H_TIGIT+APC-2nd Ab	164
CHO-K1 Cyno_TIGIT H_IgG+APC-2nd Ab	139
CHO-K1 Cyno_TIGIT anti-H_TIGIT+APC-2nd Ab	38183

Fig . FACS

Activation assay

Serial dilutions of Anti-Tigit hlgG1 Antibody (1:4 serial dilutions, from 30 µg/mL to 457 pg/mL) (Catalog # GM-24209AB) were added into H_TIGIT CD226 Reporter Jurkat Cell Line (Catalog # GM-C20072). Then H_TIGIT CD226 Reporter Jurkat Cell Line was binded with H_PVR(CD155) Raji Cell Line (Catalog # GM-C09243).EC₅₀ for this effect was 0.8371 µg/mL.

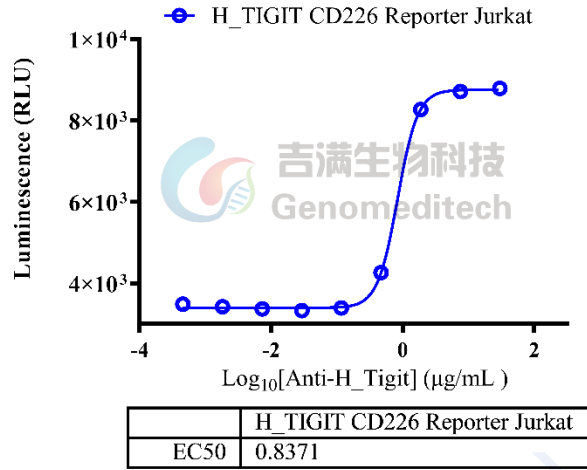


Fig . assay

Bioactivity-ELISA

Human TIGIT Protein; His Tag (Catalog # GM-87661RP) was immobilized at 1 µg/ml (100 µL/well). Increasing concentrations of Anti-H_Tigit hIgG1 Antibody(Vibostolimab) (Catalog # GM-24029AB) were added.

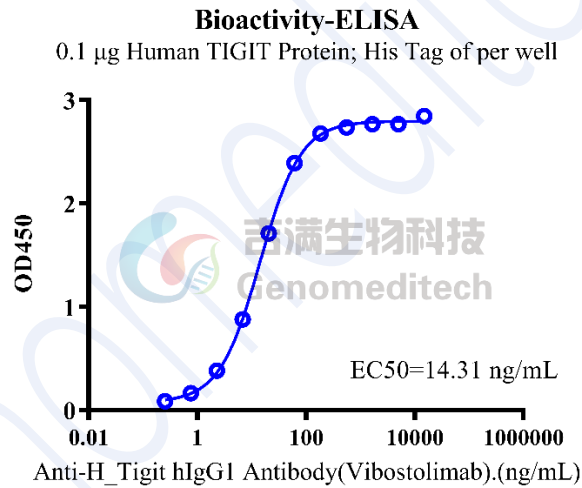


Fig . ELISA