

Anti-H_TNFSF15(TL1A) hIgG1 Antibody(PF-06480605)

Product Information

GM-59479AB-10	10 µg
GM-59479AB-100	100 µg
GM-59479AB-1000	1 mg

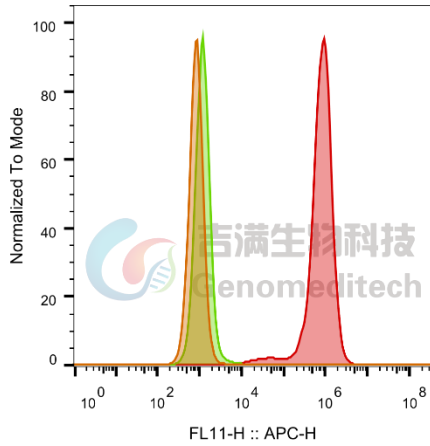
Antibody Information

Species Reactivity	Human; Mouse
Clone	PF-06480605
Source/Isotype	Monoclonal Human IgG1 /k
Application	Flow cytometry; Block assay
Specificity	Detects TNFSF15(TL1A).
Gene	TNFSF15(TL1A)
Other Names	TL1; TL1A; VEGI; TNLG1B; VEGI192A
Gene ID	O95150 (Human); Q5UBV8 (Mouse)
Background	<p>The protein encoded by TNFSF15 is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is abundantly expressed in endothelial cells but is not expressed in either B or T cells. The expression of this protein is inducible by TNF-alpha and IL-1 alpha. This cytokine is a ligand for receptor TNFRSF25 (death receptor 3) and TNFRSF6B (decoy receptor 3). It can activate both the NF-κB and MAPK signalling pathways and acts as an autocrine factor to induce apoptosis in endothelial cells. This cytokine is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor. An additional isoform encoded by an alternatively spliced transcript variant has been reported but the sequence of this transcript has not been determined.</p>
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 TNFSF15(TL1A) HEK-293 Cell Line (Catalog# GM-C30285) was stained with Anti-H_TNFSF15(TL1A) hlgG1 Antibody(PF-06480605) (Catalog # GM-59479AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

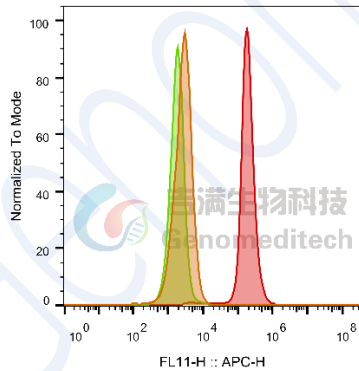


SampleID	Geometric Mean : FL11-H
HEK-293 anti-TNFSF15+APC-2nd Ab	839
HEK-293 H_TNFSF15 H_IgG+APC-2nd Ab	1208
HEK-293 H_TNFSF15 anti-TNFSF15+APC-2nd Ab	7.25E5

Fig. FACS

Flow cytometry

The recommended usage range is 0.5-4 μg per test. Mouse_TNFSF15(TL1A) HEK-293 Cell Line (Catalog # GM-C31356) was stained with Anti-H_TNFSF15(TL1A) hlgG1 Antibody(PF-06480605) (Catalog # GM-59479AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
HEK-293 anti-TL1A+APC-2nd Ab	2620
HEK-293 M_TL1A H_IgG+APC-2nd Ab	1833
HEK-293 M_TL1A anti-TL1A+APC-2nd Ab	182729

Fig. FACS

Block assay

Anti-H_TNFSF15(TL1A) hlgG1 Antibody(PF-06480605) (Catalog # GM-59479AB) inhibits H_TNFSF15(TL1A) Reporter Cell Line (Catalog # GM-C30289) Luminescence induced by H_TNFSF15 CHO-K1 Cell Line (Catalog # GM-C19170) . IC50 for this effect is 0.09413 $\mu\text{g/mL}$.

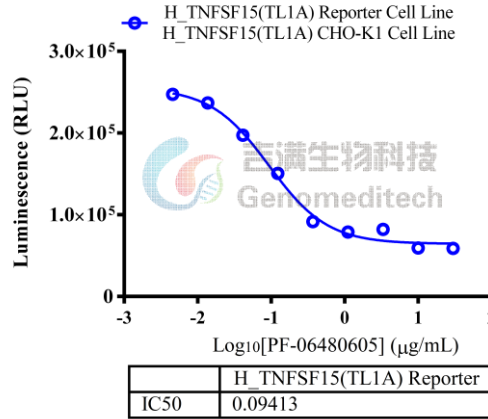


Fig. assay

Block assay

Anti-H_TNFSF15(TL1A) hlgG1 Antibody(PF-06480605) (Catalog # GM-59479AB) inhibits Mouse_TNFRSF25(DR3) Reporter Jurkat Cell Line (Catalog # GM-C30291) Luminescence induced by Mouse_TNFSF15(TL1A) HEK-293 Cell Line (Catalog # GM-C31356) IC50 for this effect is 0.1927 $\mu\text{g/mL}$.

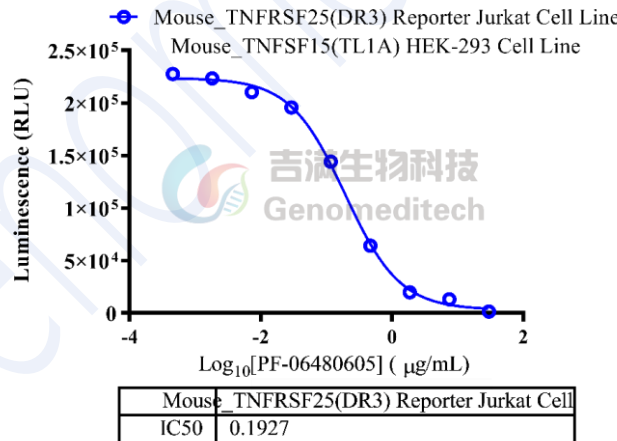


Fig. assay