Genomeditech (Shanghai) Co.,Ltd.
Order: 021-68455258/50432826/50432825
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Anti-TREM1 mIgG2b Antibody(PY159)

Product information

GM-88442AB-10	10 μg
GM-88442AB-100	100 μg
GM-88442AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	PY159
Source/Isotype	Mouse IgG2b,Kappa
Application	Flow Cytometry; Bioactivity-ELISA
Target	Detects TREM1
Gene	TREM1
Other Names	CD354, TREM-1
Gene ID	54210 (Human)
Background	Targeting TREM1 (Triggering Receptor Expressed on Myeloid cells 1) with specific antibodies holds significant therapeutic promise. TREM1 is a key amplifier of innate immune responses, and its overactivation drives pathological inflammation in sepsis, ischemic stroke, inflammatory bowel disease, and COVID-19. Anti-TREM1 antibodies can selectively block this amplification loop without completely abolishing host defense, offering a safer immunomodulatory strategy than broad anti-inflammatory agents. Emerging evidence also implicates TREM1 in tumor immune evasion and fibrosis, expanding potential applications to oncology and chronic organ diseases. Thus, developing anti-TREM1 biologics represents a valuable approach for “resetting” dysregulated inflammation across diverse conditions.
Storage	Store at 2-8℃ short term (1-2 weeks). Store at ≤ -20℃ long term. Avoid repeated freeze-thaw.
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

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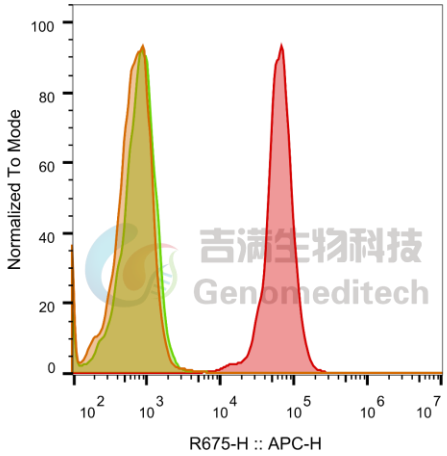
Data Examples

Flow Cytometry

H_TREM1 HEK-293 Cell Line (Catalog # GM-C13365) was stained with Anti-TREM1 mIgG2b Antibody(PY159) (Catalog # GM-88442AB) or isotype control antibody, followed by anti-Mouse IgG APC-conjugated Secondary Antibody.



	SampleID	Geometric Mean : R675-H
	HEK-293 anti-TREM1+APC-2nd Ab	651
	HEK-293 H_TREM1 M_IgG+APC-2nd Ab	762
	HEK-293 H_TREM1 anti-TREM1+APC-2nd Ab	61559

Fig. FACS

Bioactivity-ELISA

Human TREM1 Protein; His Tag (Catalog # GM-88422RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-TREM1 mIgG2b Antibody(PY159) (Catalog # GM-88442AB) were added.

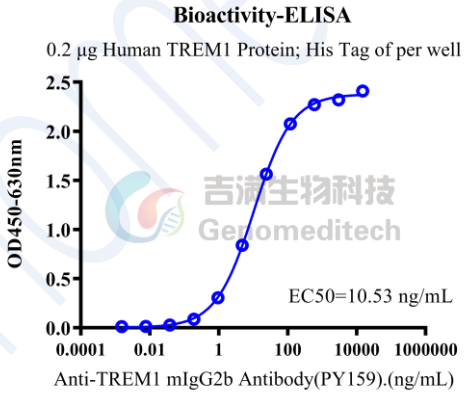


Fig. ELISA

Version:3.1