

Anti-TNFRSF25(DR3) hIgG1 Antibody(PTX-35)

Product information

GM-58913AB-10	10 µg
GM-58913AB-100	100 µg
GM-58913AB-1000	1 mg

Antibody Information

Species Reactivity	Human; Mouse
Clone	PTX-35
Source/Isotype	Monoclonal Human IgG1 /λ
Application	Flow Cytometry; Activation assay
Specificity	Detects TNFRSF25(DR3)
Gene	TNFRSF25
Other Names	DR3; TR3; DDR3; LARD; APO-3; TRAMP; WSL-1; GEF720; WSL-LR; PLEKHG5; TNFRSF12
Gene ID	Q93038-1 (Human) ; Q8VD70 (Mouse)
Background	Death receptor 3 (DR3), also known as tumor necrosis factor receptor superfamily member 25 (TNFRSF25), is a cell surface receptor of the tumor necrosis factor receptor superfamily which mediates apoptotic signalling and differentiation. The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed preferentially by activated and antigen-experienced T lymphocytes. TNFRSF25 is also highly expressed by FoxP3 positive regulatory T lymphocytes. TNFRSF25 is activated by a monogamous ligand, known as TL1A (TNFSF15), which is rapidly upregulated in antigen presenting cells and some endothelial cells following Toll-Like Receptor or Fc receptor activation. This receptor has been shown to signal both through the TRADD adaptor molecule to stimulate NF-kappa B activity or through the FADD adaptor molecule to stimulate caspase activation and regulate cell apoptosis.
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

Version:3.1 Revision Date:12/25/2023

Data Examples

Flow cytometry

The recommended usage range is 0.5-4 µg per test. H_TNFRSF25(DR3) HEK-293 Cell Line (Catalog # GM-C30288) was stained with Anti-TNFRSF25(DR3) hlgG1 Antibody(PTX-35)(Catalog # GM-58913AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

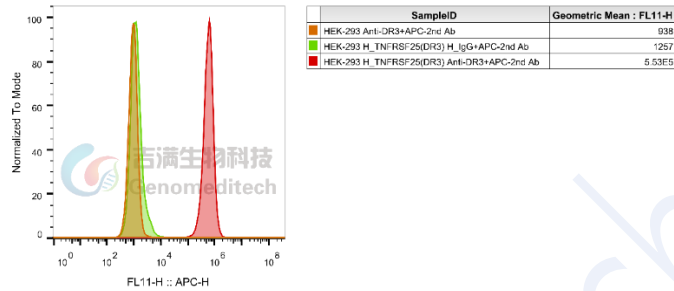


Fig. FACS

Flow cytometry

The recommended usage range is 0.5-4 µg per test. Mouse_TNFRSF25(DR3) Reporter Jurkat Cell Line (Catalog # GM-C30291) was stained with Anti-TNFRSF25(DR3) hlgG1 Antibody(PTX-35)(Catalog # GM-58913AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

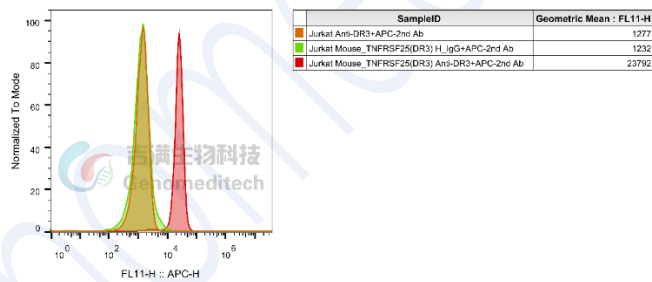


Fig. FACS

Flow cytometry

The recommended usage range is 0.5-4 µg per test. H_TNFRSF25(DR3) Reporter Jurkat Cell Line (Catalog # GM-C30290) was stained with Anti-TNFRSF25(DR3) hlgG1 Antibody(PTX-35)(Catalog # GM-58913AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

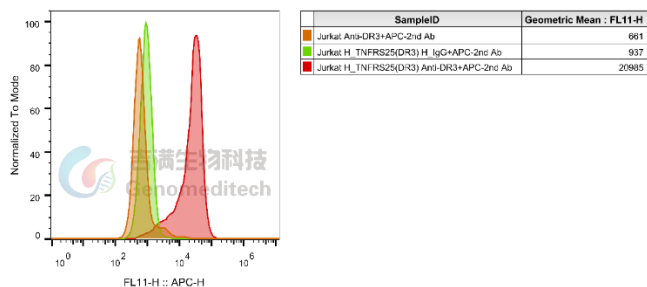
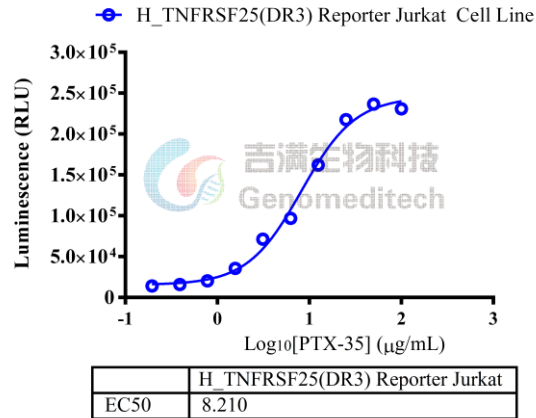


Fig. FACS

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Activation assay

Anti-TNFRSF25 (DR3) hIgG1 Antibody (PTX-35) (Catalog # GM-58913AB) activates the H_TNFRSF25 (DR3) Reporter Jurkat Cell Line (Catalog # GM-C30290), leading to induced luminescence. The IC50 for this effect is 8.210 $\mu\text{g/mL}$.



Activation assay

Anti-TNFRSF25(DR3) hIgG1 Antibody(PTX-35) (Catalog # GM-58913AB) activates the Mouse_TNFRSF25(DR3) Reporter Jurkat Cell Line (Catalog # GM-C30291), leading to induced luminescence. The IC50 for this effect is 0.8448 $\mu\text{g/mL}$.

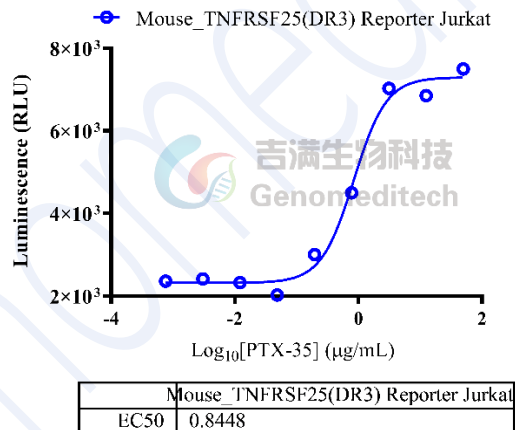


Fig . Assay