

Anti-CD8A hIgG4 Antibody(REGN5054)

Product information

GM-88299AB-10	10 µg
GM-88299AB-100	100 µg
GM-88299AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	REGN5054
Source/Isotype	hIgG4 (S228P), Kappa
Application	Flow Cytometry
Target	Detects CD8A
Gene	CD8A
Other Names	CD8, CD8alpha, IMD116, Leu2, p32
Gene ID	926 (Human)
Background	D8β, together with CD8α, forms the CD8 receptor on the T cell surface. It mainly enhances TCR signaling by binding to peptide antigens presented by MHC I, thereby increasing CTL cytotoxicity against target cells. At the gene level, CD8A and CD8B encode CD8α and CD8β, and their expression is influenced by development, activation, and the microenvironment, with important implications for tumor immune surveillance, chronic infection, and immune exhaustion-related diseases. Anti-CD8 antibodies are widely used for flow cytometry to characterize CD8+ T cell subsets and exhaustion/activation phenotypes, for immunohistochemistry/immunofluorescence to assess tumor infiltration and spatial distribution, and for evaluating immunotherapies and studying function in animal models.
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 7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Flow cytometry

H_CD8A CD8B HEK-293 Cell Line (Catalog # GM-C41739) was stained with Anti-CD8A hlgG4 Antibody(REGN5054) (Catalog # GM-88299AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

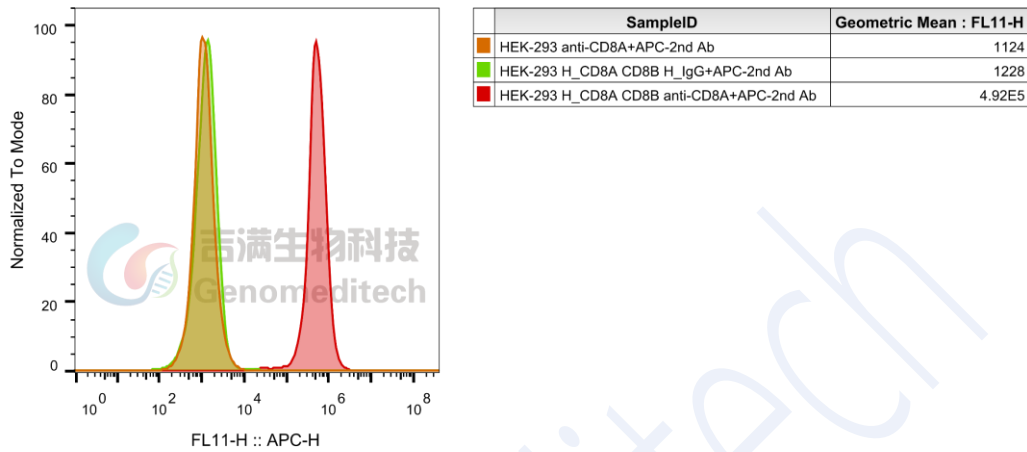


Fig. FACS