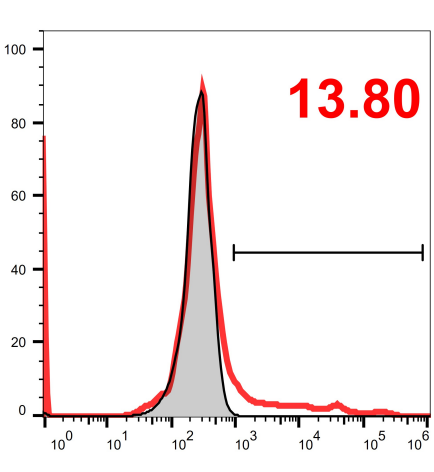
RecomAb™ | *In Vivo* Functional Grade Antibodies | Sm Size

CD8a recombinant monoclonal antibody, clone OKT8

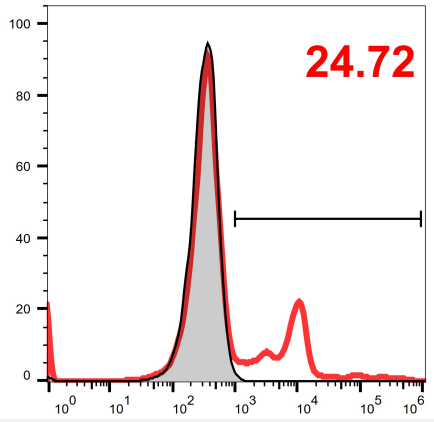
Catalog # RAB07883 Size 5 mg, 1 mg

Applications



Flow Cytometry

Flow cytometric analysis of CD8a recombinant monoclonal antibody, clone OKT8 (Cat # RAB07883) negative reactivity against human K562 cell line.



Flow Cytometry

Flow cytometric analysis of CD8a recombinant monoclonal antibody, clone OKT8 (Cat # RAB07883) positive reactivity against human activated PBMC.

Specification

Product Description	CD8a recombinant monoclonal antibody, clone OKT8 targeting human CD8a recombinant protein.
Antibody Species	Mouse
Immunogen	Human CD8a recombinant protein

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Reactivity	Human
Preparation Method	Mammalian cell (CHO) expression system
Purification	Protein A
Isotype	Mouse IgG2a, kappa
Concentration	≥ 3 ug/uL
Purity	> 95% by SDS-PAGE under reducing conditions.
Endotoxin Level	< 1 EU per 1 mg of the protein by the LAL method.
Form	Liquid
Storage Buffer	PBS pH 7.4 with no stabilizers or preservatives added
Sterility	0.2 um filtration
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Flow Cytometry

  Flow cytometric analysis of CD8a recombinant monoclonal antibody, clone OKT8 (Cat # RAB07883) negative reactivity against human K562 cell line.

- Flow Cytometry

  Flow cytometric analysis of CD8a recombinant monoclonal antibody, clone OKT8 (Cat # RAB07883) positive reactivity against human activated PBMC.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CD8A

Entrez GeneID	925
Gene Name	CD8A
Gene Alias	CD8, Leu2, MAL, p32
Gene Description	CD8a molecule

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Omim ID	186910 608957
Gene Ontology	Hyperlink
Gene Summary	The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains, or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain isoforms. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	CD8 antigen alpha polypeptide|CD8 antigen, alpha polypeptide (p32)|Leu2 T-lymphocyte antigen|OKT8 T-cell antigen|T cell co-receptor|T-cell antigen Leu2|T-cell surface glycoprotein CD8 alpha chain|T-lymphocyte differentiation antigen T8/Leu-2|T8 T-cell ant

Pathway

- Antigen processing and presentation
- Cell adhesion molecules (CAMs)
- Hematopoietic cell lineage
- Primary immunodeficiency
- T cell receptor signaling pathway

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