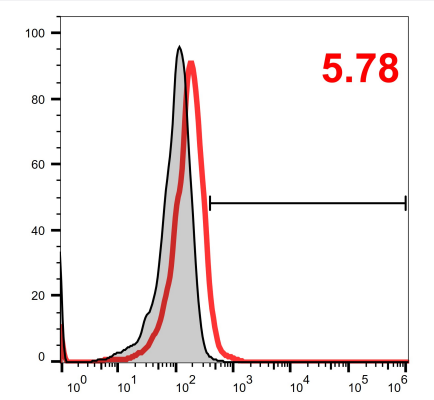
RecomAb™ | *In Vivo* Functional Grade Antibodies

CD3e scFv IgM-like recombinant monoclonal antibody, clone OKT3

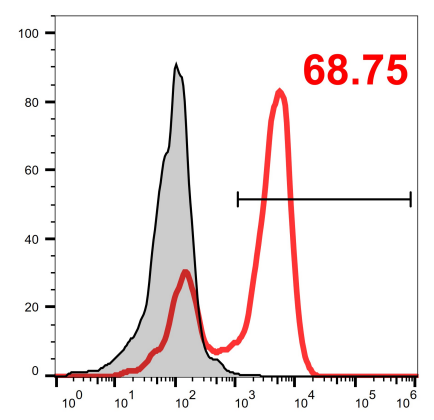
Catalog # RAB07920 Size 1 mg

Applications



Flow Cytometry

Flow cytometric analysis of CD3e scFv IgM-like recombinant monoclonal antibody, clone OKT3 (Cat # RAB07920) negative reactivity against human Raji cell line.



Flow Cytometry

Flow cytometric analysis of CD3e scFv IgM-like recombinant monoclonal antibody, clone OKT3 (Cat # RAB07920) positive reactivity against human activated PBMC.

Specification

Product Description

CD3e scFv IgM-like recombinant monoclonal antibody, clone OKT3 targeting human CD3e recombinant protein.
It is an oligomer designed as an IgM Fc, based on the mouse IgG2a Fc, with the OKT3 scFv fused via the IgM CH1 domain as a linker.

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Antibody Species	Mouse
Immunogen	Human CD3e recombinant protein
Reactivity	Human
Preparation Method	Mammalian cell (CHO) expression system
Purification	Protein A
Isotype	Mouse IgG2a Fc
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 CD3e scFv IgM-like recombinant monoclonal antibody, clone OKT3 (Cat # RAB07920) negative reactivity against human Raji cell line.

- Flow Cytometry

  Flow cytometric analysis of CD3e scFv IgM-like recombinant monoclonal antibody, clone OKT3 (Cat # RAB07920) positive reactivity against human activated PBMC.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CD3E

Entrez GeneID	916
Gene Name	CD3E

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Gene Alias	FLJ18683, T3E, TCRE
Gene Description	CD3e molecule, epsilon (CD3-TCR complex)
Omim ID	186830
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. [provided by RefSeq
Other Designations	CD3-epsilon|CD3E antigen, epsilon polypeptide|CD3e antigen, epsilon polypeptide (TiT3 complex)|T-cell antigen receptor complex, epsilon subunit of T3|T-cell surface antigen T3/Leu-4 epsilon chain|T-cell surface glycoprotein CD3 epsilon chain

Pathway

- Hematopoietic cell lineage
- Primary immunodeficiency
- T cell receptor signaling pathway

Disease

- Asthma
- Cardiovascular Diseases
- Celiac Disease
- Depressive Disorder
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Inflammation

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