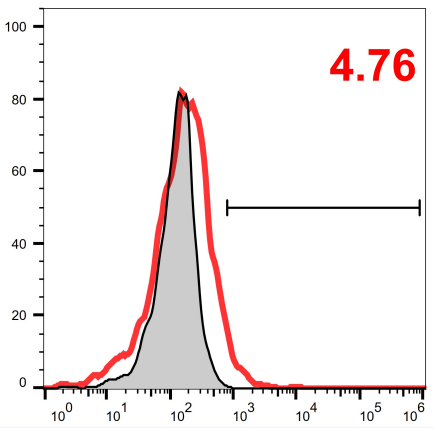
RecomAb™ | *In Vivo* Functional Grade Antibodies | Sm Size

CD3e recombinant monoclonal antibody, clone OKT3

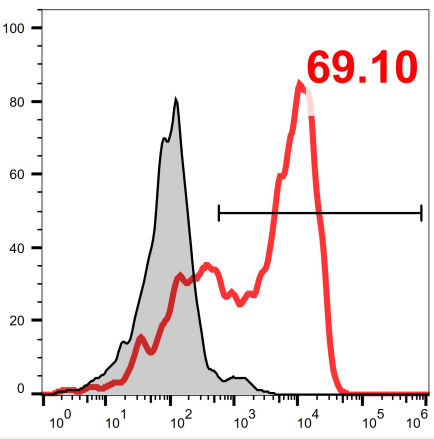
Catalog # RAB07870 Size 5 mg, 1 mg

Applications



Flow Cytometry

Flow cytometric analysis of CD3e recombinant monoclonal antibody, clone OKT3 (Cat # RAB07870) negative reactivity against human Raji cell line.



Flow Cytometry

Flow cytometric analysis of CD3e recombinant monoclonal antibody, clone OKT3 (Cat # RAB07870) positive reactivity against human activated PBMC.

Specification

Product Description	CD3e recombinant monoclonal antibody, clone OKT3 targeting human CD3e recombinant protein.
Antibody Species	Mouse
Immunogen	Human CD3e 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 CD3e recombinant monoclonal antibody, clone OKT3 (Cat # RAB07870) negative reactivity against human Raji cell line.

- Flow Cytometry

  Flow cytometric analysis of CD3e recombinant monoclonal antibody, clone OKT3 (Cat # RAB07870) positive reactivity against human activated PBMC.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CD3E

Entrez GeneID	916
Gene Name	CD3E
Gene Alias	FLJ18683, T3E, TCRE
Gene Description	CD3e molecule, epsilon (CD3-TCR complex)

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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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