



Catalog #: 201703

## Recombinant Anti-human CD3 Antibody

Rabbit Fab, Single Biotin conjugate

### Product Details

<b>Target</b>	Human CD3 epsilon (CD3e, T3)
<b>Immunogen</b>	Jurkat human cell line
<b>Species Reactivity</b>	Human, cynomolgus monkey ( <i>Macaca fascicularis</i> ), NOT mouse
<b>Original Host Species</b>	Rabbit
<b>Ig Type</b>	Recombinant biotinylated rabbit Fab with a single defined biotin at the C-terminus of the heavy chain with a His tag added for purification
<b>Size</b>	50 µg
<b>Concentration</b>	0.5 mg/ml
<b>Production</b>	Transient transfection expression system in mammalian HEK293 cells
<b>Purification</b>	Immobilized metal ion affinity chromatography (IMAC)
<b>Formulation</b>	PBS pH 7.2 with 0.08% sodium azide
<b>Storage</b>	4° C for up to 3 months, for longer storage aliquot and store at -20° C
<b>Discovery Method</b>	Rabbits were immunized with human Jurkat cells that naturally express CD3, and antigen positive B cells were single cell sorted. The variable domain sequences were cloned, sequenced and subcloned into expression vectors containing the various species and isotype constant domains.

### Verified Applications

<b>Flow Cytometry</b>	Suggested dilution: 1:100 (5 µg/ml final), however optimal concentration for usage may vary and should be determined by user
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