

Rabbit anti-Human CD3 epsilon Monoclonal Antibody | anti-CD3e antibody

CD3 epsilon Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312193	Rabbit	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry, Western Blot

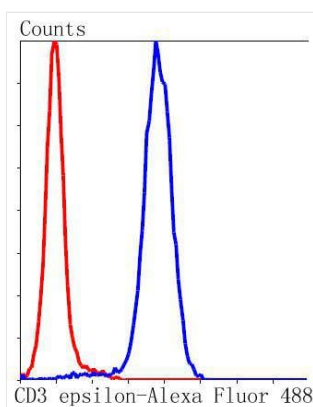
PRODUCT SYNONYMS

CD3 epsilon; Monoclonal Antibody; CD3 epsilon Antibody; CD3 epsilon antibody; CD3e antibody; CD3e antigen epsilon polypeptide (TiT3 complex) antibody; CD3E antigen epsilon polypeptide antibody; CD3E antigen; epsilon subunit antibody; CD3e molecule epsilon antibody; CD3e molecule; epsilon (CD3 TCR complex) antibody; epsilon (CD3-TCR complex) antibody; CD3E_HUMAN antibody; IMD18 antibody; T cell antigen receptor complex epsilon subunit of T3 antibody; T cell surface antigen T3/Leu 4 epsilon chain antibody; T cell surface glycoprotein CD3 epsilon chain antibody; T-cell surface antigen T3/Leu-4 epsilon chain antibody; T-cell surface glycoprotein CD3 epsilon chain antibody; T3E antibody; TCRE antibody; anti-CD3e antibody

PRODUCT SPECIFICATIONS

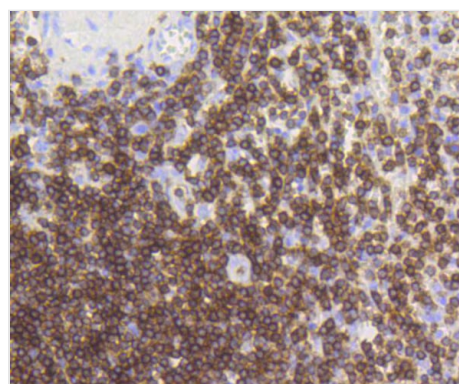
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	SY0239
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CD3e antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



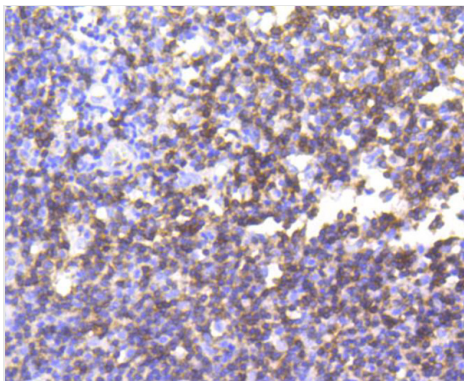
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Jurkat cells with CD3 epsilon antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



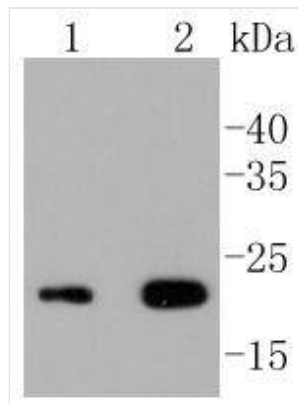
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CD3 epsilon antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD3 epsilon antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of CD3 epsilon on different lysates using anti-CD3 epsilon antibody at 1/1,000 dilution. Positive control: Lane 1: Jurkat Lane 2: Human thymus

ADDITIONAL INFORMATION

Related Product Information for anti-CD3e antibody

The T cell antigen receptor (TCR) recognizes foreign antigens and translates such recognition events into intracellular signals that elicit a change in the cell from a dormant to an activated state. Much of this signaling process can be attributed to a multisubunit complex of proteins that associates directly with the TCR. This complex has been designated CD3 (cluster of differentiation 3). CD3 is composed of four polypeptides: zeta, gamma, epsilon and delta. Each of these polypeptides contains at least one immunoreceptor tyrosine-based activation motif (ITAM). Engagement of TCR complex with foreign antigens induces tyrosine phosphorylation in the ITAM motifs and phosphorylated ITAMs function as docking sites for signaling molecules such as ZAP-70 and p85 subunit of PI-3 kinase. TCR ligation also induces a conformational change in CD3epsilon, such that a proline region is exposed and then associates with the adaptor protein Nck.

Product Categories/Family for anti-CD3e antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	1345708
NCBI GeneID	916
UniProt Accession #	P07766; A8K997
Molecular Weight	207
NCBI Official Full Name	T-cell surface glycoprotein CD3 epsilon chain
NCBI Official Synonym Full Names	CD3e molecule, epsilon (CD3-TCR complex)
NCBI Official Symbol	CD3E
NCBI Official Synonym Symbols	T3E; TCRE; IMD18
NCBI Protein Information	T-cell surface glycoprotein CD3 epsilon chain; CD3-epsilon; T-cell surface antigen T3/Leu-4 epsilon chain; CD3e antigen, epsilon polypeptide (TIT3 complex); T-cell antigen receptor complex, epsilon subunit of T3
UniProt Protein Name	T-cell surface glycoprotein CD3 epsilon chain
UniProt Gene Name	CD3E
UniProt Synonym Gene Names	T3E
UniProt Entry Name	CD3E_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

