

Rabbit anti-Human CD3D Monoclonal Antibody | anti-CD3D antibody

CD3D Antibody

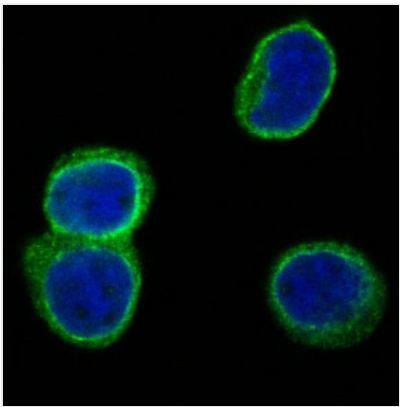
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30236	Rabbit	Human	Western Blot, Immunocytochemistry, Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

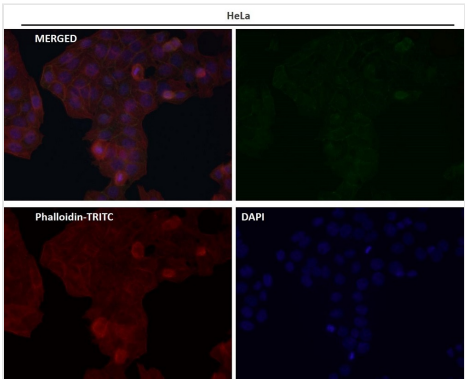
CD3D; Monoclonal Antibody; CD3D Antibody; CD3 antigen delta subunit antibody; CD3 delta antibody; CD3d antibody; CD3d antigen delta polypeptide (TIT3 complex) antibody; CD3d molecule delta (CD3-TCR complex) antibody; CD3D_HUMAN antibody; IMD19 antibody; OKT3 delta chain antibody; T cell receptor T3 delta chain antibody; T-cell receptor T3 delta chain antibody; T-cell surface glycoprotein CD3 delta chain antibody; T3D antibody; anti-CD3D antibody

PRODUCT SPECIFICATIONS

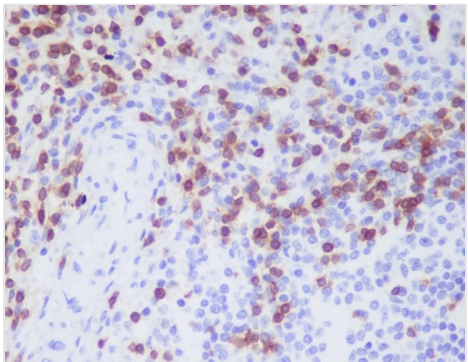
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JJ08-97
Purity/Purification	Affinity - chromatography.
Form/Format	Rabbit IgG in 10 mM phosphate buffered saline, pH 7.4, 150 mM sodium chloride, 0.05% BSA, 0.02 % sodium azide and 50% glycerol.
Concentration	0.5 mg/mL (varies by lot)
Applicable Applications for anti-CD3D antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:100-1:200 ICC:/IF 1:50-1:200 IP 1:20-1:50 FC: 1:20-1:100
Antibody Type	Recombinant Antibody
Immunogen Description	A synthesized peptide derived from human CD3 delta.
Conjugation	Unconjugated
Preparation and Storage	Short Term: 4°C Long Term: -20°C Avoid freeze/thaw cycles.



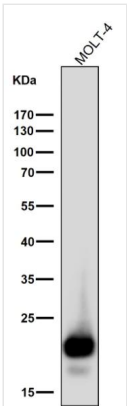
IF (Immunofluorescence)
Immunofluorescent analysis of Jurkat cells, using CD3D Antibody.



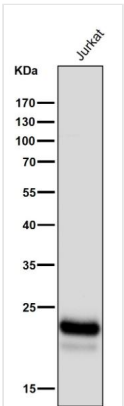
IF (Immunofluorescence)
Immunofluorescent analysis using the Antibody at 1:50 dilution.



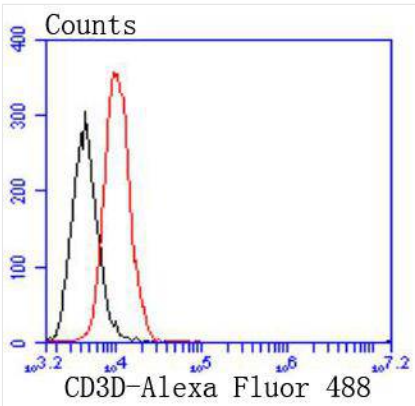
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human spleen, using CD3D Antibody.



WB (Western Blot)
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



WB (Western Blot)
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



FCM (Flow Cytometry)
Flow cytometric analysis of Raji cells with CD3D antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD3D 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). It is composed of five invariant polypeptide chains that associate to form three dimers: a heterodimer of gamma and epsilon chains (gammaepsilon), a heterodimer of delta and epsilon chains (delta epsilon) and a homodimer of two zeta chains (ζζ) or a heterodimer of zeta and eta chains (ζη). The ζ and η chains are encoded by the same gene but differ in their carboxyl-terminal ends due to an alternative splicing event. The gamma, epsilon and delta chains each contain a single copy of a conserved immunoreceptor tyrosine-based activation motif (ITAM). In contrast, the ζ chain contains three consecutive copies of the same motif. Phosphorylated ITAMs act as docking sites for protein kinases such as ZAP-70 and Syk and are also capable of regulating their kinase activity. The crystal structure of the ZAP-70 SH2 domains bound to the ζ chain ITAMs has been solved.
Product Categories/Family for anti-CD3D antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	115985
NCBI GeneID	915
UniProt Accession #	P04234; A8MVP6
Molecular Weight	Calculated MW: 19 kDa
NCBI Official Full Name	T-cell surface glycoprotein CD3 delta chain
NCBI Official Synonym Full Names	CD3d molecule, delta (CD3-TCR complex)
NCBI Official Symbol	CD3D
NCBI Official Synonym Symbols	T3D; IMD19; CD3-DELTA
NCBI Protein Information	T-cell surface glycoprotein CD3 delta chain; OKT3, delta chain; CD3 antigen, delta subunit; T-cell receptor T3 delta chain; CD3d antigen, delta polypeptide (TIT3 complex)
UniProt Protein Name	T-cell surface glycoprotein CD3 delta chain
UniProt Gene Name	CD3D
UniProt Synonym Gene Names	T3D
UniProt Entry Name	CD3D_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd3d-antibody-clone-ij08-97-western-blot-immunocytochemistry-immunohistochemistry-immunoprecipitation-flow-cytometry-elisa/30236>