

CD3E recombinant antibody

Rabbit anti-CD3E Recombinant Monoclonal Antibody [BL-298-5D12]

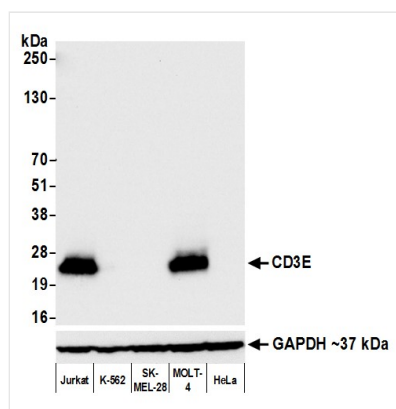
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23793	Rabbit	Human	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay, Immunofluorescence

PRODUCT SYNONYMS

CD3E; Monoclonal Recombinant Antibody; Rabbit anti-CD3E Recombinant Monoclonal Antibody [BL-298-5D12]; CD3-epsilon; TCRC; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell antigen receptor complex; epsilon subunit of T3; CD antigen CD3e; IMD18; CD3e molecule; epsilon (CD3-TCR complex); CD3e antigen; epsilon polypeptide (TiT3 complex); T3E; CD3 epsilon subunit of T-cell receptor complex; CD3E recombinant antibody

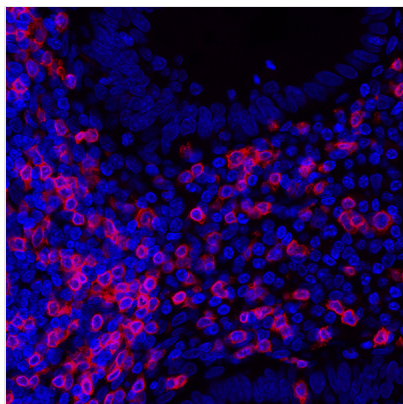
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BL-298-5D12
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	50ug/ml (varies by lot)
Applicable Applications for CD3E recombinant antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), mIF (Multiplex Immunofluorescence)
Application Notes	WB: 1:1000 IP: 20 ul/mg lysate IHC: 1:100-1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. ICC: 1:100-1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections. IHC-IF: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections. FC/FACS: Fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 ul per 1 x 10 ⁶ cells. mIF: 1:250
Immunogen	Between 157 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



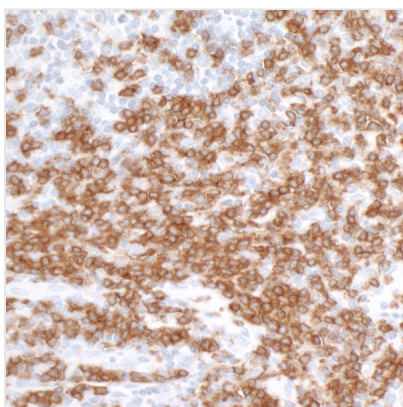
WB (Western Blot)

Detection of human CD3E by western blot. Samples: Whole cell lysate (50 ug) from Jurkat, K-562, SK-MEL-28, MOLT-4, and HeLa cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD3E recombinant monoclonal antibody [BL-298-5D12] (AA237393 lot 2) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti-GAPDH .



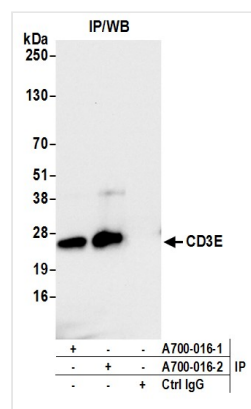
IHC (Immunohistochemistry)

Detection of human CD3E by immunohistochemistry. Sample: FFPE section of appendix.
Antibody: Rabbit anti-CD3E recombinant monoclonal antibody [BL-298-5D12] (AAA23793 lot 1) used at 1:250. Secondary: Dylight 594-conjugated goat anti-rabbit IgG .



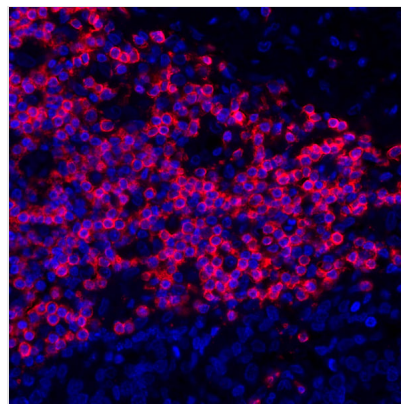
IHC (Immunohistochemistry)

Detection of human CD3E in FFPE tonsil by IHC. Antibody: Rabbit anti-CD3E recombinant monoclonal [BL-298-5D12] (AAA23793 lot 2). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



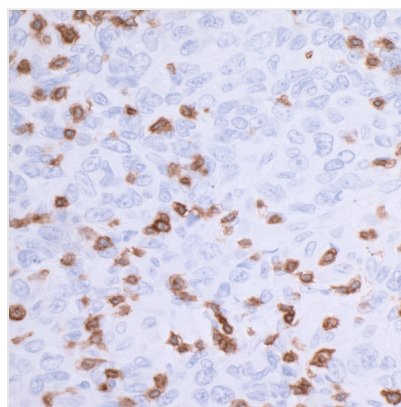
IP (Immunoprecipitation)

Detection of human CD3E by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-CD3E recombinant monoclonal antibody [BL-298-5D12] (AA23793 lot 2) used for IP at 20 μ l/mg lysate. CD3E was also immunoprecipitated by a previous lot of this antibody (lot AA23793-1). For blotting immunoprecipitated CD3E, AA23793 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 3 seconds.



IHC (Immunohistochemistry)

Detection of human CD3E (red) by immunohistochemistry. Sample: FFPE section of human lung carcinoma. Antibody: Rabbit anti-CD3E recombinant monoclonal antibody [BL-298-5D12] (AAA23793 lot 1) used at 1:250. Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: Opal. Counterstain: DAPI (blue).



IHC (Immunohistochemistry)

Detection of human CD3E in FFPE breast carcinoma by IHC. Antibody: Rabbit anti-CD3E recombinant monoclonal [BL-298-5D12] (AAA23793 lot 2). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.

ADDITIONAL INFORMATION

Related Product Information for CD3E recombinant antibody	CD3E 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 epsilon polypeptide plays an essential role in T-cell development [taken from NCBI Entrez Gene (Gene ID: 916)].
Product Categories/Family for CD3E recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502671
NCBI GeneID	916
NCBI Accession #	NP_000724.1
NCBI GenBank Nucleotide #	NM_000733.3
UniProt Accession #	P07766; A8K997
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; CD3e antigen, epsilon polypeptide (TiT3 complex); T-cell antigen receptor complex, epsilon subunit of T3; T-cell surface antigen T3/Leu-4 epsilon chain
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd3e-recombinant-antibody-clone-bi-298-5d12-western-blot-immunoprecipitation-immunohistochemistry-immunocytochemistry-immunohistochemistry-flow-cytometry-multiplex-immunofluorescence-elisa/23793>