

CD3E recombinant antibody

Rabbit anti-CD3E Recombinant Monoclonal Antibody [BLR174J]

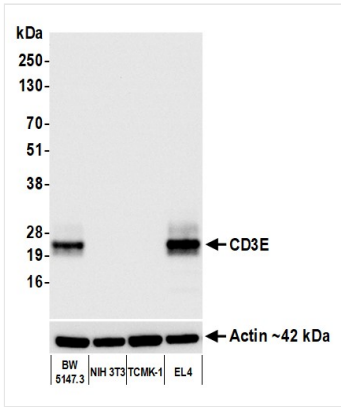
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23851	Rabbit	Human, Mouse	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD3E; Monoclonal Recombinant Antibody; Rabbit anti-CD3E Recombinant Monoclonal Antibody [BLR174J]; AI504783; CD antigen CD3e; CD3; CD3epsilon; T3e; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell surface glycoprotein CD3 epsilon chain; CD3 antigen; epsilon polypeptide; CD3E recombinant antibody

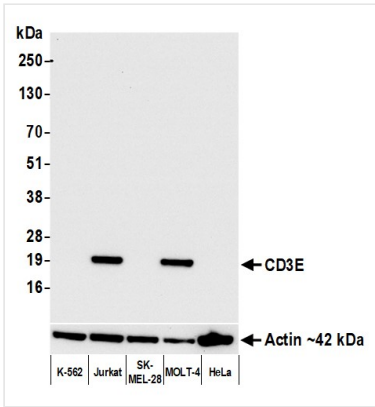
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BLR174J
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	500ug/ml (varies by lot)
Applicable Applications for CD3E recombinant antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000 IP: 12 ul/mg lysate IHC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. ICC: 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.
Immunogen	Between 139 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



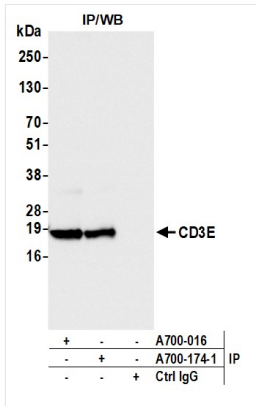
WB (Western Blot)

Detection of mouse CD3E by western blot. Samples: Whole cell lysate (10 ug) from BW5147.3, NIH 3T3, TCMK-1, and EL4 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD3E recombinant monoclonal antibody (AAA23851 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 1 second. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



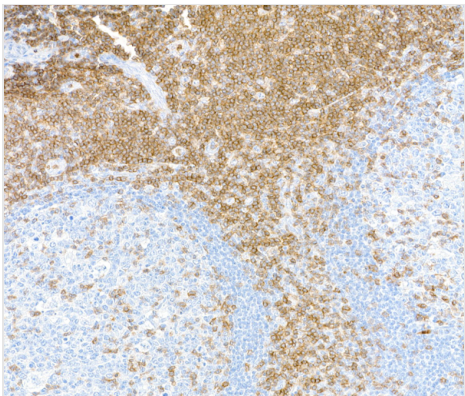
WB (Western Blot)

Detection of human CD3E by western blot. Samples: Whole cell lysate (10 ug) from K-562, Jurkat, SK-MEL-28, MOLT-4, and HeLa cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD3E recombinant monoclonal antibody (AAA23851 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



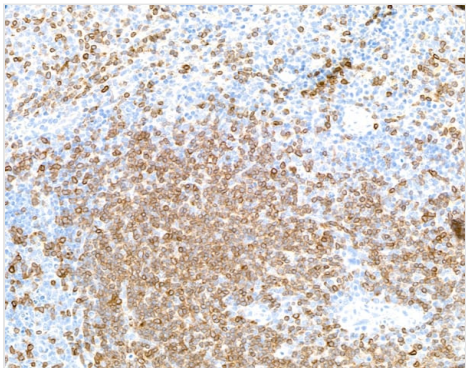
IP (Immunoprecipitation)

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 (AAA23851 lot 1) used for IP at 12 ul/mg lysate. CD3E was also immunoprecipitated by a second antibody against a different epitope of CD3E . For blotting immunoprecipitated CD3E, AAA23851 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 1 second.



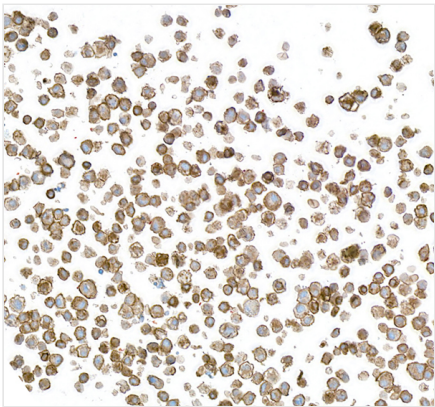
IHC (Immunohistochemistry)

Detection of human CD3E in FFPE tonsil by IHC. Antibody: Rabbit anti-CD3E recombinant monoclonal antibody (AAA23851 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



IHC (Immunohistochemistry)

Detection of mouse CD3E in FFPE mouse spleen by IHC. Antibody: Rabbit anti-CD3E recombinant monoclonal antibody (AAA23851 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



ICC (Immunocytochemistry)

Detection of mouse CD3E in FFPE mouse CTLL-2 cells by ICC. Antibody: Rabbit anti-CD3E recombinant monoclonal antibody (AAA23851 lot 1). 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 #	6680886
NCBI GeneID	12501
NCBI Accession #	NP_031674.1
NCBI GenBank Nucleotide #	NM_007648.4
UniProt Accession #	P22646
Molecular Weight	21,393 Da
NCBI Official Full Name	T-cell surface glycoprotein CD3 epsilon chain
NCBI Official Synonym Full Names	CD3 antigen, epsilon polypeptide
NCBI Official Symbol	Cd3e
NCBI Official Synonym Symbols	CD3; T3e; AI504783; CD3epsilon
NCBI Protein Information	T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain
UniProt Protein Name	T-cell surface glycoprotein CD3 epsilon chain
UniProt Gene Name	Cd3e
UniProt Entry Name	CD3E_MOUSE

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-blr174j-western-blot-immunoprecipitation-immunohistochemistry-immunocytochemistry-flow-cytometry-elisa/23851>