

Rabbit anti-Human CD3E+CD3G Monoclonal Antibody | anti-CD3(epsilon+gamma)/CD3E+CD3G antibody

CD3E+CD3G Rabbit mAb

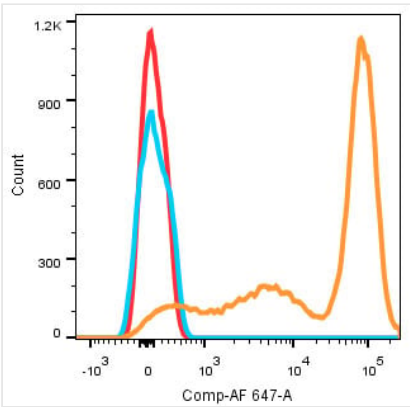
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282846	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

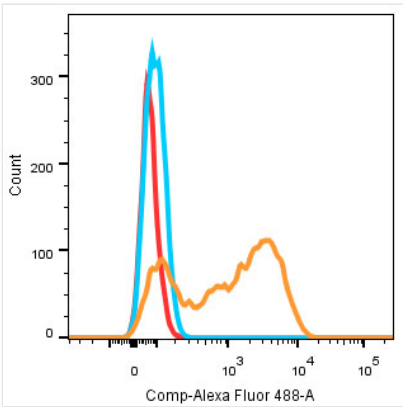
CD3E+CD3G; Monoclonal Antibody; CD3E+CD3G Rabbit mAb; CD3E; IMD18; T3E; TCRE; CD3e molecule; CD3G; CD3-GAMMA; IMD17; T3G; anti-CD3(epsilon+gamma)/CD3E+CD3G antibody

PRODUCT SPECIFICATIONS

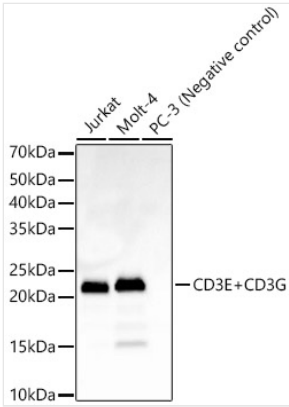
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MQSGTHWRVL GLCLLSVGWV GQDGNEEMGG ITQTPYKVS I SGTTVILTCP QYPGSEILWQ HNDKNIGGDE DDKNIGSDED HLSLKEFSEL EQSGYYVCYP RGSKPEDANF YLYLRARVCE NCMEMDVMSV ATIVIVDICI TGGLLLLVYY WSKNRKAKAK PVTRGAGAGG RQRGQNKERP PPVPNPDIYEP IRKGQRDLYS GLNQRRRI(CD 3E)&MEQGKG LAVLILAIL LQGTLAQSIK GNHLVKVYDY QEDGSVLLTC DAEAKNITWF KDGKMIGFLT EDKKKWNLGS NAKDPRGMYQ CKGSQNKSKP LQVYYRMCQN CIELNAATIS GFLFAEIVSI FVLAVGVYFI AGQDQVVRQSR ASDKQTLLPN DQLYQPLKDR EDDQYSHLQG NQLRRN(CD3 G)
Applicable Applications for anti-CD3(epsilon+gamma)/CD3E+CD3G antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-207(CD3E)& 1-182(CD3G) of human CD3 epsilon&CD3 gamma Heterodimer.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



Application Data
Human peripheral blood lymphocytes stained with CD3E+CD3G Rabbit mAb (AAA282846) (1ug/mL) (orange). Secondary antibody only staining (Blue) and unstained sample (red) were used as a control.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of CD3E+CD3G Rabbit mAb (AAA282846) (1ug/mL) in Jurkats cells (orange) compare to rabbit IgG Isotype control (blue) and non-staining control (Red).



WB (Western Blot)
Western blot analysis of various lysates, using CD3E+CD3G Rabbit mAb (AAA282846) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-CD3(epsilon+gamma)/CD3E+CD3G antibody	The protein encoded by this gene 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 genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. The protein encoded by this gene is the CD3-gamma polypeptide, which together with CD3-epsilon, -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 genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. Defects in this gene are associated with T cell immunodeficiency.
Product Categories/Family for anti-CD3(epsilon+gamma)/CD3E+CD3G antibody	Cell Biology & Developmental Biology; Apoptosis; Immunology & Inflammation; CD markers; T Cell Receptor Signaling Pathway; Stem Cells; Hematopoietic Progenitors; Cell Biology & Developmental Biology; Apoptosis; Immunology & Inflammation; CD markers; T Cel

NCBI AND UNIPROT INFORMATION

NCBI GI #	1345708
NCBI GeneID	916/917

UniProt Accession #	P07766; P09693
Molecular Weight	Calculated MW: 23kDa Observed MW: 23kDa
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://www.aaabiotech.com/monoclonal/cd3ecd3g-antibody-flow-cytometry-western-blot-elisa/282846>