

Hamster CD3 Monoclonal Antibody | anti-CD3 antibody

HAMSTER ANTI MOUSE CD3

CATALOG #	HOST	APPLICATIONS
AAA49537	Hamster	Western Blot, Immunoprecipitation, Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry

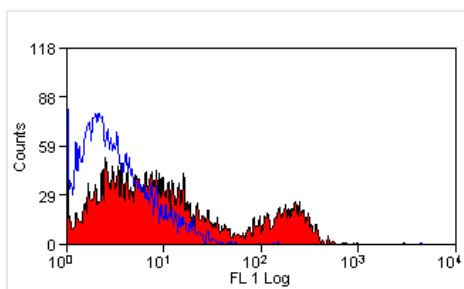
PRODUCT SYNONYMS

CD3; Monoclonal Antibody; HAMSTER ANTI MOUSE CD3; anti-CD3 antibody

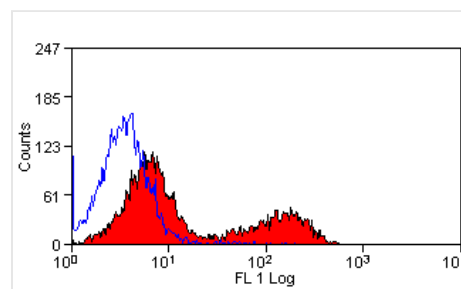
PRODUCT SPECIFICATIONS

Host	Hamster
Clonality	Monoclonal
Isotype	IgG
Clone Number	145-2C11
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	189
Applicable Applications for anti-CD3 antibody	WB (Western Blot), IP (Immunoprecipitation), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) Preparation
Immunogen	H-2Kb - specific mouse cytotoxic T lymphocyte clone BM10-37. Buffer Solution
Target Species	Mouse
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES


Application Data

Mouse splenocytes stained with Hamster anti Mouse CD3


Application Data

Mouse splenocytes stained with Hamster anti Mouse CD3:AlexaFluor488 (AAA49537A488)

ADDITIONAL INFORMATION

Related Product Information for anti-CD3 antibody	Hamster anti Mouse CD3 antibody, clone 145-2C11 detects CD3 epsilon (CD3e), a 20kDa transmembrane protein also known as CD3 or T3. CD3e is a member of the CD3 complex which consists of four subunits, gamma, delta, epsilon and zeta, and these are associated to the T cell receptor (TCR). TCR plays a critical role in T cell development and function, and is responsible for ligand recognition. It interacts non-covalently with the CD3 dimers delta/epsilon, gamma/epsilon and zeta/zeta which transduce signals from the TCR into the cell. CD3e is primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. Hamster anti Mouse CD3 antibody, clone 145-2C11 is useful for in vitro blocking and activation assays, as well as apoptosis induction and in vitro T cell depletions.
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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; A1504783; 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/cd3-antibody-clone-145-2c11-western-blot-immunoprecipitation-immunofluorescence-flow-cytometry-immunohistochemistry-elisa/49537>