

Rat anti-Mouse CD3 epsilon Monoclonal Antibody | anti-cd3e antibody

Rat Anti-Mouse CD3e-UNLB

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78665	Rat	Mouse	Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD3 epsilon; Monoclonal Antibody; Rat Anti-Mouse CD3e-UNLB; Rat Anti-Mouse CD3e - Purified; Unlabeled Antibody; Rat Anti-Mouse CD3 epsilon; anti-cd3e antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2b kappa
Clone Number	C363.29B (YCD3-1)
Specificity	Mouse CD3 epsilon (Mr 25 kD) CD3 epsilon, a member of the immunoglobulin superfamily of cell surface receptors, is comprised of five invariable chain ranging in size from 16-28 kDa and is closely associated with the T cell antigen receptor (TCR). It is expressed on all T cells of all mouse strains.^1, 2 CD3 plays a major role in signaling during antigen recognition, leading to T-cell activation. The monoclonal antibody C363.29B recognizes an epitope on the 25kD epsilon chain of the CD3/TCR complex.^1 In the presence of Fc receptor-bearing accessory cells, soluble C363.29B can activate primed and naïve T cell in vitro. Immobilized C363.29 monoclonal antibody can also activate both normal T lymphocytes and cloned T cell lines provided the appropriate accessory signals are present.^1, 3, 4 The monoclonal antibody is cytolytic, easily used for cell surface staining and a good immunoprecipitating antibody.^1
Form/Format	Purified (UNLB) Antibody
Sequence Length	172
Applicable Applications for anti-cd3e antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Characterization	To ensure lot-to-lot consistency, each batch of monoclonal antibody is tested to conform to characteristics of a standard reference reagent by flow cytometry. Representative data are included in this data sheet.
Preparation and Storage	The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2- 8 degree C. The fluorescein (FITC) conjugate is supplied as 0.5 mg or 0.1 mg in 1.0 mL of PBS/NaN3. Store at 2- 8 degree C. The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. The R-phycoerythrin (R-PE) conjugate is supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze! The allophycocyanin (APC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze! The Spectral Red (SPRD) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze! The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Aliquot and store at or below -20 degree C. The Cyanine 5 (CY 5) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. Protect conjugated forms from light. Aliquot and freeze the low endotoxin, azide-free product at -20 degree C immediately upon receipt. Each reagent is stable for the period shown on the bottle label if stored as directed.

ADDITIONAL INFORMATION

References	1. Portoles, P., J. Rojo, A. Golby, M. Bonneville, S. Gromkowski, L. Greenbaum, C. A. Janeway, Jr., D. B. Murphy, and K. Bottomly. 1989. J. Immunol. 142:4169. 2. Dianzani, U., M. Luqman, J. Rojo, J. Yagi, J. L. Baron, A. Woods, C. A. Janeway, Jr., and K. Bottomly. 1990. Eur. J. Immunol. 20:2249. 3. Luqman, M., L. Greenbaum, D. Lu, and K. Bottomly. 1992. Eur. J. Immunol. 22:95. 4. Ernst, D. N., M. V. Hobbs, B. E. Torbett, A. L. Glasebrook, M. A. Rehse, K. Bottomly, K. Hayakawa, R. R. Hardy, and W. O. Weigle. 1990. J. Immunol. 145:1295. 5. Payer, E., A. Elbe, and G. Stingl. 1991. J. Immunol. 146:2536.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83921647
NCBI GeneID	654301
NCBI Accession #	NP_001033071.1
NCBI GenBank Nucleotide #	NM_001037982.1
NCBI Official Full Name	CD3 epsilon
NCBI Official Symbol	cd3e
NCBI Protein Information	CD3 epsilon

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-epsilon-antibody-clone-c363-29b-ycd3-1-immunoprecipitation-immunohistochemistry-flow-cytometry-elisa/78665>