

Product Datasheet

CD3 epsilon Antibody (RIV9)

NBP2-44880-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44880-0.1mg

CD3 epsilon Antibody (RIV9)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	RIV9
Preservative	0.05% Sodium Azide
Isotype	IgG3 Kappa
Purity	Protein A purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	20 kDa

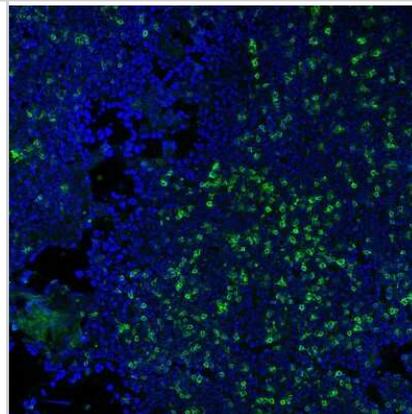
Product Description	
Description	200ug/ml of antibody purified from rabbit anti-serum by Protein A. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0 mg/ml. (NBP3-11471) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	916
Gene Symbol	CD3E
Species	Human, Mouse, Rat
Marker	T-Cell Marker
Specificity/Sensitivity	Recognizes the epsilon-chain of CD3, which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28kDa. It is found on all mature T-lymphocytes, NK, T-cells, and some thymocytes. CD3, also known as T3, is a member of the immunoglobulin superfamily that plays a role in antigen recognition, signal transduction, and T cell activation. It is expressed, typically at high levels, on peripheral T cells and majority of T cell neoplasms. Thymocytes express CD3 at different level on the cell surface in the course of differentiation and, in cortical thymus, CD3 is predominantly Intracytoplasmic. This monoclonal antibody is particularly useful for induction of T cell activation in vitro and in vivo due to its unusual IgG3 isotype.
Immunogen	Human peripheral lymphocytes (Uniprot: P07766)

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml
Application Notes	Optimal dilution for a specific application should be determined.

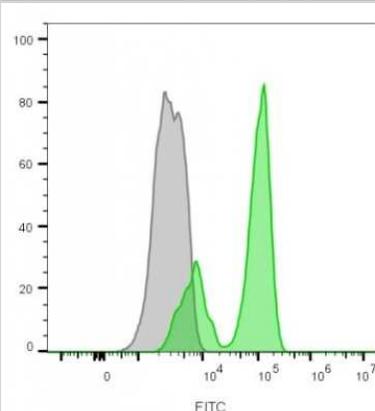


Images

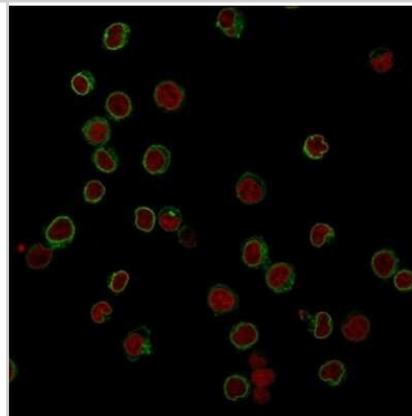
Immunocytochemistry/Immunofluorescence: CD3 epsilon Antibody (RIV9) [NBP2-44880] - Immunofluorescence Analysis of methanol-fixed human tonsil cryosection stained with CF488A CD3 epsilon antibody (RIV9) (green), mounted in EverBrite Mounting Medium with DAPI (nuclei, blue).



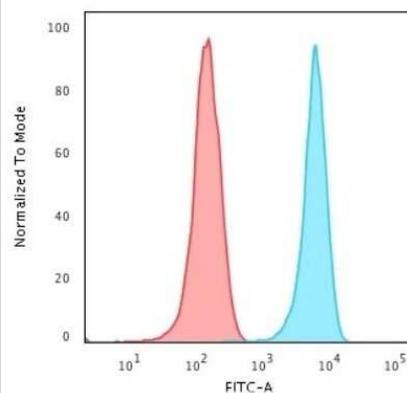
Flow Cytometry: CD3 epsilon Antibody (RIV9) [NBP2-44880] - Flow cytometry analysis of lymphocyte-gated PBMCs unstained (gray) or stained with CF488A-labeled CD3 epsilon antibody (RIV9) (green)



Immunocytochemistry/Immunofluorescence: CD3 epsilon Antibody (RIV9) [NBP2-44880] - Immunofluorescence Analysis of Jurkat cells labeling CD3e with CD3 epsilon Antibody (RIV9) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot (Red).



Flow Cytometry: CD3 epsilon Antibody (RIV9) [NBP2-44880] - Flow Cytometric Analysis of Jurkat cells using CD3 epsilon Antibody (RIV9) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Publications

Abdullah S, Ghio M, Cotton-Betteridge A et al. Succinate metabolism and membrane reorganization drives the endotheliopathy and coagulopathy of traumatic hemorrhage Science advances 2023-06-16 [PMID: 37315138] (WB, Human)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA

Phone: 303.730.1950

Toll Free: 1.888.506.6887

Fax: 303.730.1966

nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada

Phone: 905.827.6400

Toll Free: 855.668.8722

Fax: 905.827.6402

canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449

Free Phone: 0800 37 34 15

Fax: (44) (0) 1235 533420

info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com

Technical Support: nb-technical@bio-techne.com

Orders: nb-customerservice@bio-techne.com

General: novus@novusbio.com

Products Related to NBP2-44880-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96978	Mouse IgG3 Kappa Light Chain Isotype Control (MG3K)
NBP2-22752	Recombinant Human CD3 epsilon His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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