

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 |

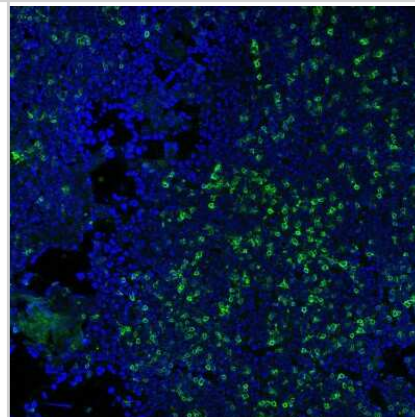
| Product Description | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |

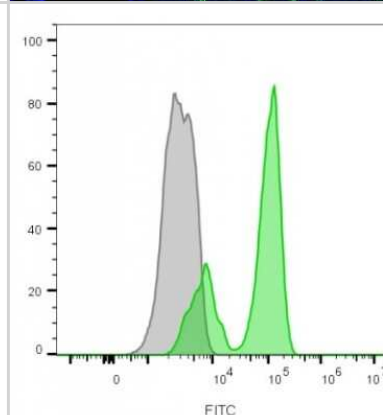


Images

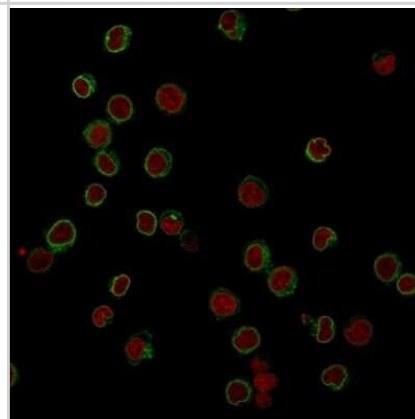
Immunocytochemistry/Immunofluorescence: CD3 epsilon Antibody (RIV9) [NBP2-44880] - Immunofluorescence Analysis of methanol-fixed human tonsil cryosection stained with CF488A CD3 epsilon antibody (RIV9) (green), mounted in EverBrite Mounting Medium with DAPI (nuclei, blue).



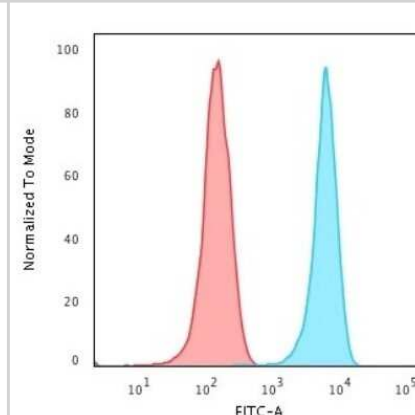
Flow Cytometry: CD3 epsilon Antibody (RIV9) [NBP2-44880] - Flow cytometry analysis of lymphocyte-gated PBMCs unstained (gray) or stained with CF488A-labeled CD3 epsilon antibody (RIV9) (green)



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)



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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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