

Product Datasheet

CD8 Antibody (YTS105.18) - BSA Free NB200-578

Unit Size: 0.125 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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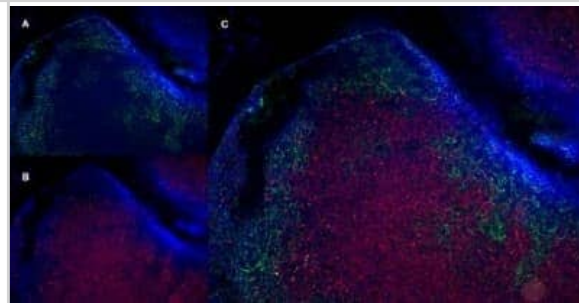
NB200-578

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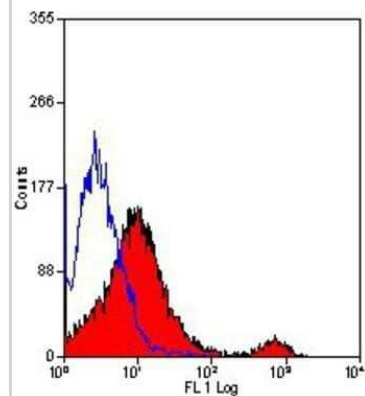
Product Information	
Unit Size	0.125 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	YTS105.18
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	26 kDa
Product Description	
Host	Rat
Gene ID	925
Gene Symbol	CD8A
Species	Mouse
Specificity/Sensitivity	CD8 Antibody (YTS105.18) recognizes a non polymorphic epitope on the mouse CD8 alpha chain. Blocks MHC I dependent T cell responses in vitro and in vivo, and induces transplantation tolerance in combination with CD4 antibodies.
Immunogen	Mouse spleen cells
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin (Negative)
Recommended Dilutions	Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunohistochemistry-Frozen 1:10-1:500, Immunohistochemistry-Paraffin (Negative)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul. IHC-P: It has been reported that the antibody did not work in paraffin embedded mouse spleen tissue.

Images

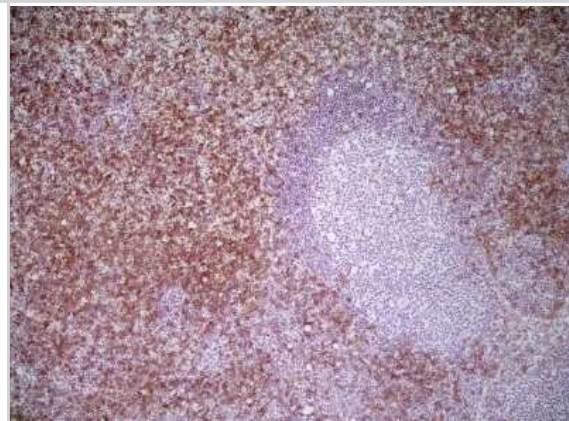
Immunohistochemistry-Frozen: CD8 Antibody (YTS105.18) [NB200-578] - CD8 alpha Antibody (YTS105.18) [NB200-578] - Staining of a mouse lymph node cryosection with rat anti-mouse CD19, clone 6D5 green in A and rat anti-mouse CD8, red in B. Merged image in C with nuclei counterstained blue using DAPI. Low power



Flow Cytometry: CD8 Antibody (YTS105.18) [NB200-578] - Staining of mouse spleen cells.



Immunohistochemistry-Frozen: CD8 Antibody (YTS105.18) [NB200-578] - CD8 alpha Antibody (YTS105.18) [NB200-578] - Staining of Mouse lymph node cryosection with CD8 Antibody and HRP-conjugated goat anti-rat IgG. Low power magnification.



Publications

Wilson AL, Moffitt LR, Doran BR, Basri B et Al. Leader cells promote immunosuppression to drive ovarian cancer progression in vivo Cell Rep 2024-11-14 [PMID: 39541210]

Zhou X, Zhang X, Niu D et al. Gut Microbiota Induces Hepatic Steatosis by Modulating the T Cells Balance in High Fructose Diet Mice Research Square 2023-01-04 [PMID: 37095192]

Wu Q, Huang Q, Jiang Y et al. Remodeling Chondroitin-6-Sulfate-Mediated Immune Exclusion Enhances Anti-PD-1 Response in Colorectal Cancer with Microsatellite Stability Cancer Immunology Research 2022-02-01 [PMID: 34933913]

Lin XT, Zhang J, Liu ZY et al. Elevated FBXW10 drives hepatocellular carcinoma tumorigenesis via AR-VRK2 phosphorylation-dependent GAPDH ubiquitination in male transgenic mice Cell reports 2023-07-25 [PMID: 37450367] (IHC-P, Mouse)

O'Connor M, Kallenberg D, Camilli C Et al. LRG1 destabilizes tumor vessels and restricts immunotherapeutic potency Med (N Y) 2022-05-19 [PMID: 35590198]

Ji H, Zheng W et al. Sex-specific T-cell regulation of angiotensin II-dependent hypertension. Hypertension 2014-01-09 [PMID: 24935938] (IF/IHC, Mouse)

Priego N, Zhu L, Monteiro C et al. STAT3 labels a subpopulation of reactive astrocytes required for brain metastasis Nat. Med. 2018-06-11 [PMID: 29892069] (Human)

Nakashima, H et al. A Novel Combination Immunotherapy for Cancer by IL-13Ra2-Targeted DNA Vaccine and Immunotoxin in Murine Tumor Models. J Immunol 187: 4935-46. 2011-01-01 [PMID: 22013118]

Lacroix-Lamande, S et al. Neonate intestinal immune response to CpG oligodeoxynucleotide stimulation. PLoS One 4: 1-8. 2009-01-01 [PMID: 20011519]

Karlsson, MR et al. Hypersensitivity and oral tolerance in the absence of a secretory immune system. Allergy 65: 561-70. 2010-01-01 [PMID: 19886928]

Auray, G et al. (2007) Involvement of intestinal epithelial cells in dendritic cell recruitment during C. parvum infection Microbes Infect 9: 574-82. 2007-01-01 [PMID: 17395519]

Himoudi, N et al. (2007) Development of anti-PAX3 immune responses; a target for cancer immunotherapy. Cancer Immunol Immunother 56: 1381-95. 2007-01-01 [PMID: 17318653]

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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 NB200-578

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
F0105B	Goat anti-Rat IgG Secondary Antibody [Phycoerythrin]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)
NBP2-36743PEP	CD8 Recombinant Protein Antigen

Limitations

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