

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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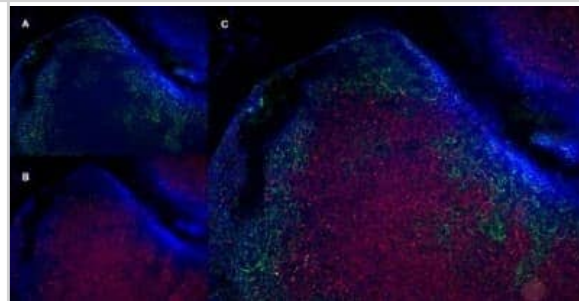
NB200-578

CD8 Antibody (YTS105.18) - BSA Free

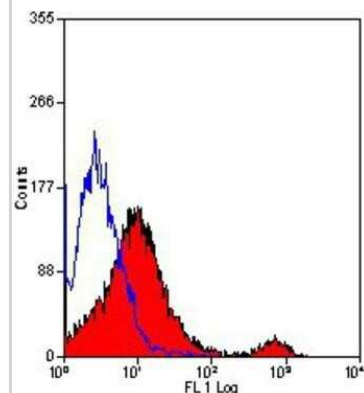
Product Information	
Unit Size	0.125 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	YTS105.18
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	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, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin (Negative)
Recommended Dilutions	Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, 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. HC-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



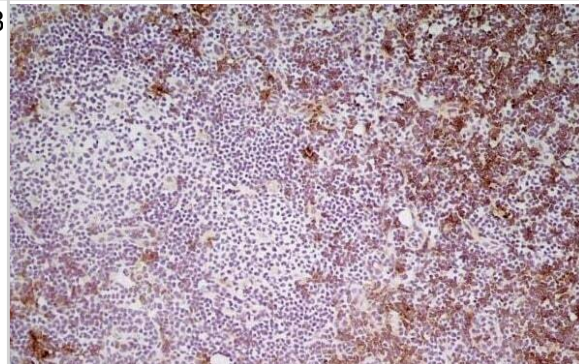
Flow Cytometry: CD8 Antibody (YTS105.18) [NB200-578] - Staining of mouse spleen cells.



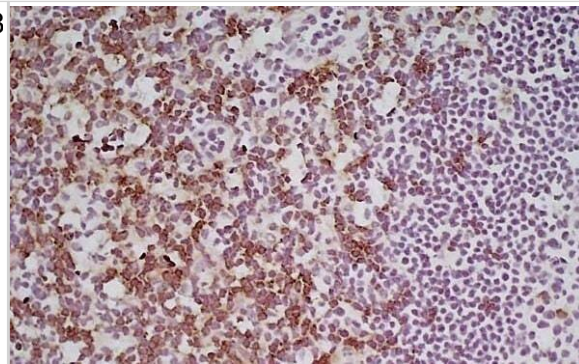
Immunohistochemistry-Frozen: CD8 Antibody (YTS105.18) [NB200-578] - CD8 alpha Antibody (YTS105.18) [NB200-578] - Staining of Mouse lymph node cryosection with CD8 Antibody and HRP-conjugated goat anti-rat IgG. Low power magnification.



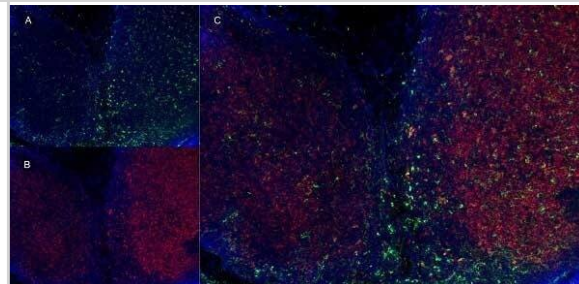
Immunoperoxidase staining of Mouse lymph node cryosection using CD8 Antibody (YTS105.18) - BSA Free followed by horseradish peroxidase conjugated Goat anti Rat IgG antibody for detection. Medium power.



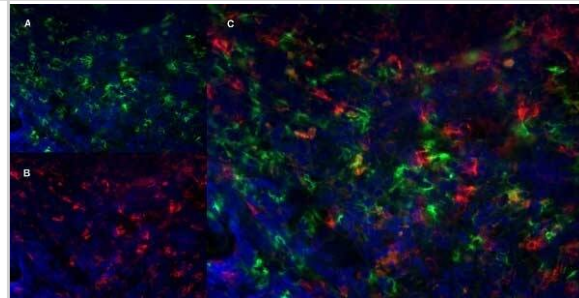
Immunoperoxidase staining of Mouse lymph node cryosection using CD8 Antibody (YTS105.18) - BSA Free followed by horseradish peroxidase conjugated Goat anti Rat IgG antibody for detection. High power.



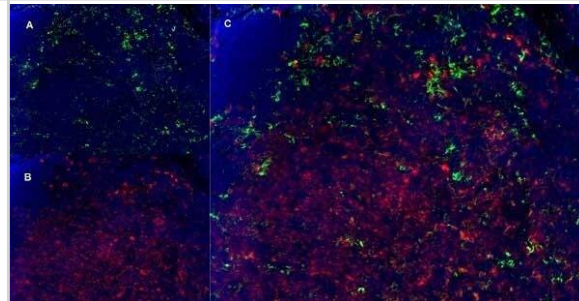
Immunofluorescence staining of mouse lymph node cryosection using Rat anti Mouse CD11b antibody, clone M1/70.15, green in A and CD8 Antibody (YTS105.18) - BSA Free, red in B, C is the merged image with nuclei counterstained blue using DAPI. Low power.



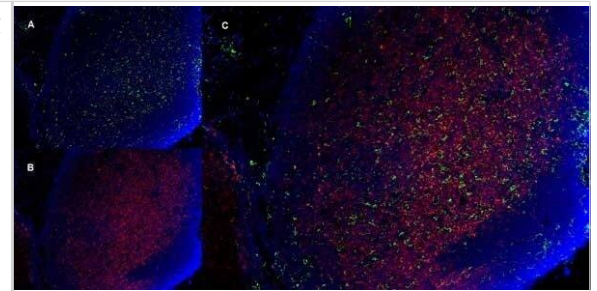
immunofluorescence staining of mouse lymph node cryosection with Rat anti Mouse Ly-6B.2 antibody, clone 7/4 , green in A and CD8 Antibody (YTS105.18) - BSA Free, red in B. C is the merged image with nuclei counterstained blue using DAPI. High power



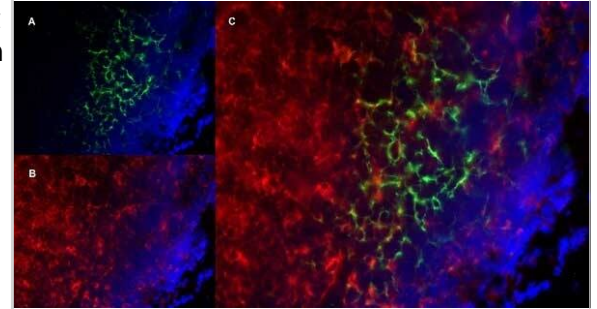
Immunofluorescence staining of mouse lymph node cryosection with Rat anti Mouse CD11b, clone 5C6 , green in A and CD8 Antibody (YTS105.18) - BSA Free, red in B. C is the merged image with nuclei counterstained blue using DAPI. High power.



Immunofluorescence staining of mouse lymph node cryosection with Rat anti Mouse CD11b antibody, clone 5C6, green in A and CD8 Antibody (YTS105.18) - BSA Free, red in B. C is the merged image with nuclei counterstained blue using DAPI. Low power



Immunofluorescence staining of 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. High power



Publications

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]

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]

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]

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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NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)
NBP2-36743PEP	CD8 Recombinant Protein Antigen

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