

Product Datasheet

CD45 Antibody (5C16) - Azide and BSA Free NB110-93609

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NB110-93609

CD45 Antibody (5C16) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5C16
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with sterilized PBS to a final concentration of 0.4 mg/ml.
Isotype	IgG2
Purity	Protein A or G purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS. 0.025 mg size is provided in liquid form, PBS
Target Molecular Weight	145 kDa

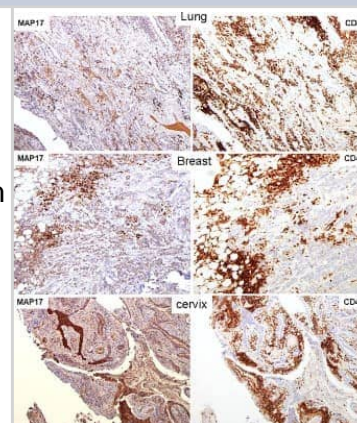
Product Description	
Host	Rat
Gene ID	5788
Gene Symbol	PTPRC
Species	Mouse
Immunogen	This CD45 Antibody (5C16) was prepared from Cell lysates of mouse leukocytes.

Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:100, Immunohistochemistry-Paraffin 1:100-1:400

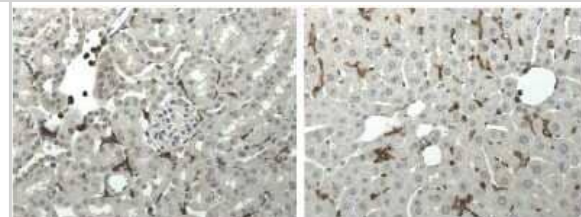


Images

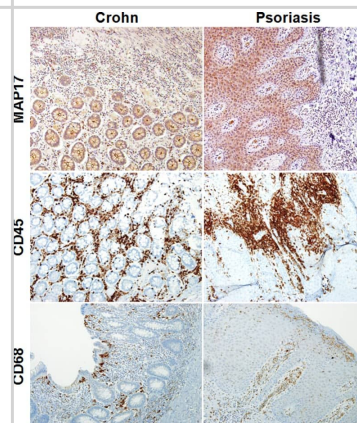
Immunohistochemistry-Paraffin: CD45 Antibody (5C16) [NB110-93609] - Correlation of MAP17 expression with inflammation (CD45) in human samples of tumors of different origin. MAP17 and CD45 staining of serial sections of human samples of tumors of different origin. MAP17 staining in all samples showed high expression levels, correlated with the inflammatory marker CD45. Image collected and cropped by CiteAb from the following publication (<http://www.oncotarget.com/fulltext/21651>) licensed under a CC-BY license.



Immunohistochemistry: CD45 Antibody (5C16) [NB110-93609] - CD45 antibody (5C16) [NB110-93609] immunohistochemistry staining of paraffin sections of mouse kidney and liver tissues from LPS exposed animals.



Immunohistochemistry: CD45 Antibody (5C16) - Azide and BSA Free [NB110-93609] - Correlation of MAP17 expression with inflammation in human samples of Crohn's disease & psoriasis. MAP17, CD45 & CD68 staining of histological slides of human samples of psoriasis & Crohn's disease. MAP17 staining in both inflammatory diseases showed high expression levels, correlated with the inflammatory markers CD45 & CD68. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/29228712>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Girolamo F, Errede M et al. Defining the role of NG2-expressing cells in experimental models of multiple sclerosis. A biofunctional analysis of the neurovascular unit in wild type and NG2 null mice. PLoS One 2019-03-15 [PMID: 30870435] (IF/IHC, Mouse)

BUchel G, Schulte JH, Harrison L et al. Immune response modulation by Galectin-1 in a transgenic model of neuroblastoma Oncoimmunology. 2016-02-17 [PMID: 27467948] (IHC-P, Mouse)

Schattling, B;Engler, JB;Volkman, C;Rothammer, N;Woo, MS;Petersen, M;Winkler, I;Kaufmann, M;Rosenkranz, SC;Fejtova, A;Thomas, U;Bose, A;Bauer, S;Trager, S;Miller, KK;Bruck, W;Duncan, KE;Salinas, G;Soba, P;Gundelfinger, ED;Merkler, D;Friese, MA; Bassoon proteinopathy drives neurodegeneration in multiple sclerosis Nat. Neurosci. 2019-04-22 [PMID: 31011226] (IF/IHC, Mouse)

Cobo I, Martinelli P, Flandez M, Bakiri L. Transcriptional regulation by NR5A2 links differentiation and inflammation in the pancreas. Nature. 2018-02-22 [PMID: 29443959] (Mouse)

Garcia-Heredia JM, Carnero A. The cargo protein MAP17 (PDZK1IP1) regulates the immune microenvironment. Oncotarget 2017-11-17 [PMID: 29228712] (IF/IHC)

Girolamo F, Ferrara G, Strippoli M et al. Cerebral cortex demyelination and oligodendrocyte precursor response to experimental autoimmune encephalomyelitis Neurobiol Dis 2011-09-01 [PMID: 21679768] (ICC/IF, IF/IHC, Mouse)

Errede M, Girolamo F, Ferrara G et al. Blood-Brain Barrier Alterations in the Cerebral Cortex in Experimental Autoimmune Encephalomyelitis J Neuropathol Exp Neurol 2012-10-01 [PMID: 23001217] (ICC/IF, IF/IHC, Mouse)





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Products Related to NB110-93609

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP2-51591-0.02mg	Recombinant Human CD45 His Protein
210-TA-005	TNF-alpha [Unconjugated]

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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