

Product Datasheet

CD8 Antibody (4B11) NB100-65729

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB100-65729

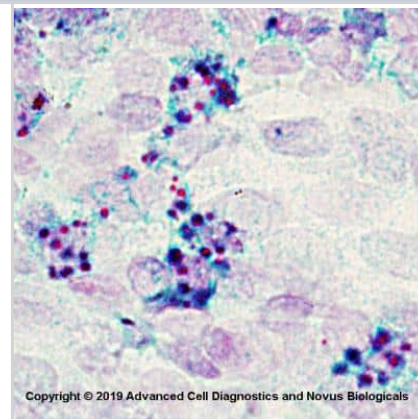
CD8 Antibody (4B11)

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	4B11
Preservative	0.01% Sodium Azide
Isotype	IgG2b
Purity	Tissue culture supernatant
Buffer	Tissue culture supernatant
Target Molecular Weight	26 kDa
Product Description	
Host	Mouse
Gene ID	925
Gene Symbol	CD8A
Species	Human
Specificity/Sensitivity	CD8 Antibody (4B11) recognizes the human CD8 cell surface antigen, a 32kD glycoprotein expressed by the cytotoxic/suppressor subset of T-cells and weakly by NK cells. Clone 4B11 has been reported as being suitable for use in Western blotting.
Immunogen	Synthetic peptide derived from the carboxy terminal region of the human CD8 alpha chain coupled to a N-terminal cysteine, with the sequence C-KSDGKPSLSARYV. The peptide was coupled to bovine serum albumin and keyhole limpet hemocyanin
Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Dual RNAscope ISH-IHC
Recommended Dilutions	Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:20-1:40, Immunohistochemistry-Frozen 1:20-1:40, Dual RNAscope ISH-IHC
Application Notes	This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. 1mM EDTA pH8.0 is recommended for this purpose. Use in Immunocytochemistry/Immunofluorescence reported in scientific literature (PMID:32184726).

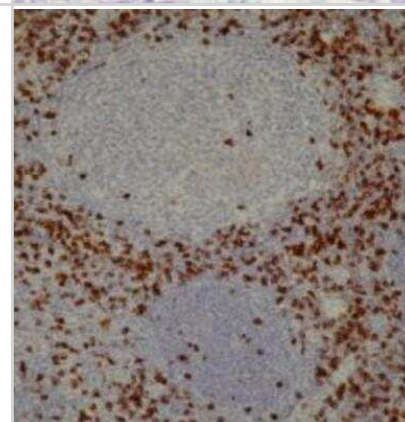


Images

Dual RNAScope ISH-IHC: CD8 Antibody (4B11) [NB100-65729] - Formalin-fixed paraffin-embedded tissue sections of human tonsil were probed for CD8 mRNA (ACD RNAScope probe, catalog # 560391; Fast Red chromogen, ACD catalog # 322500) followed by immunohistochemistry using mouse monoclonal (Novus catalog # NB100-65729) at 5ug/mL for 1 hour at room temperature and detection with anti-mouse IgG VisUCyte HRP Polymer Antibody (R&D Systems Catalog # VC001) and green HRP chromogen (ACD Catalog # 322500).



Immunohistochemistry-Paraffin: CD8 Antibody (4B11) [NB100-65729] - Analysis of formalin fixed, paraffin-embedded human tonsil with CD8 Antibody (4B11). Magnification: 40X.



Publications

Kang S, Lee J, Kang O et al. Transcriptome Profiling and Characterization of Peritoneal Metastasis Ovarian Cancer Xenografts in Humanized Mice bioRxiv 2023-10-28 (IHC-P, Human)

Park IJ, An S, Kim SY et al. Prediction of radio-responsiveness with immune-profiling in patients with rectal cancer Oncotarget 2017-07-25 [PMID: 29108360] (IHC-P, Human)

Soh JS, Jo SI, Lee H et al. Immunoprofiling of Colitis-associated and Sporadic Colorectal Cancer and its Clinical Significance Scientific Reports 2019-05-02 [PMID: 31048714] (IHC-P, Human)

Chimote Aa, Gawali Vs, Newton Hs et Al. A Compartmentalized Reduction in Membrane-Proximal Calmodulin Reduces the Immune Surveillance Capabilities of CD8+ T Cells in Head and Neck Cancer Front Pharmacol. [PMID: 32184726] (IF, Human)

van Esch EM, van Poelgeest MI, Kouwenberg S et al. Expression of coinhibitory receptors on T cells in the microenvironment of usual vulvar intraepithelial neoplasia is related to proinflammatory effector T cells and an increased recurrence-free survival. Int. J Cancer. 2014-09-15 [PMID: 25220367]



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Products Related to NB100-65729

NBL1-08980	CD8 Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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