

# Product Datasheet

## CD8 Antibody (4B11) NB100-65729

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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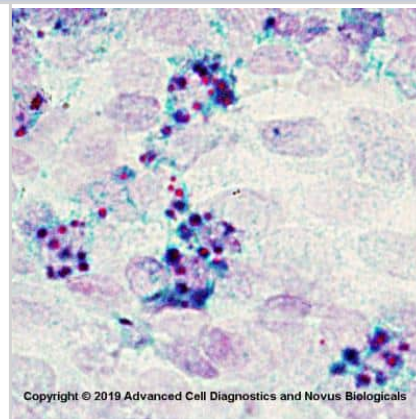
**NB100-65729**

CD8 Antibody (4B11)

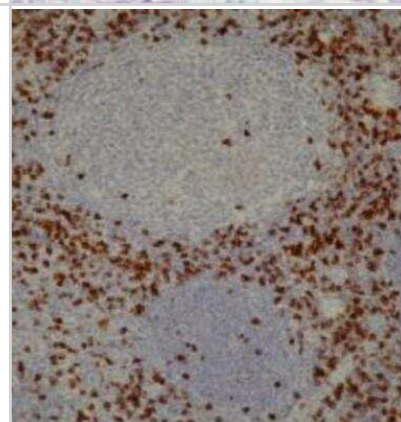
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4B11
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	IgG2b
<b>Purity</b>	Tissue culture supernatant
<b>Buffer</b>	Tissue culture supernatant
<b>Target Molecular Weight</b>	26 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	925
<b>Gene Symbol</b>	CD8A
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	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
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Dual RNAscope ISH-IHC
<b>Recommended Dilutions</b>	Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:20-1:40, Immunohistochemistry-Frozen 1:20-1:40, Dual RNAscope ISH-IHC
<b>Application Notes</b>	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**

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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)

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### **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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