

# Product Datasheet

## Cytokeratin 8/18 Antibody (5D3) NB120-17139

Unit Size: 1 ml

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 5

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**NB120-17139****Cytokeratin 8/18 Antibody (5D3)**

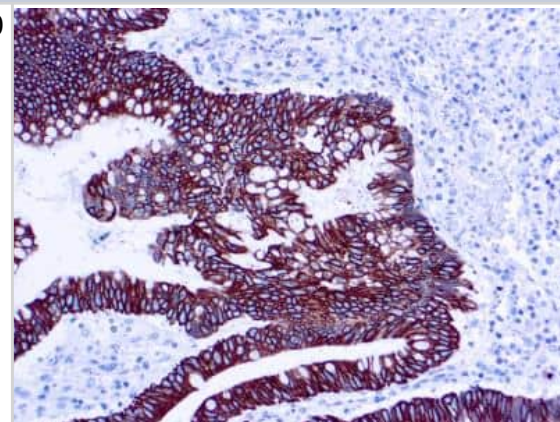
<b>Product Information</b>	
<b>Unit Size</b>	1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	5D3
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Tissue culture supernatant
<b>Buffer</b>	Tissue culture supernatant

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Cytokeratin 8/18 Antibody (5D3) (NB120-17139) is a monoclonal antibody validated for use in IHC. Anti-Cytokeratin 8/18 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3856
<b>Gene Symbol</b>	KRT8
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 11277418). Not yet tested in other species.
<b>Specificity/Sensitivity</b>	This antibody is specific to human cytokeratins 8 (52.5 kDa) and 18 (45 kDa). It stains simple and glandular epithelium. It can be useful for the identification of adenocarcinomas and most squamous cell carcinomas.
<b>Immunogen</b>	Cytokeratins from the human breast carcinoma cell line MCF-7.

<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:50-1:100, Immunohistochemistry-Paraffin 1:50-1:100
<b>Application Notes</b>	IHC-P: recommended pretreatment of citrate buffer, pH 6.0. Recommended incubation time of 30 min at RT.

**Images**

Immunohistochemistry-Paraffin: Cytokeratin 8/18 Antibody (5D3) [NB120-17139] - Formalin fixed paraffin embedded human skin stained with Cytokeratin 8/18 antibody (NB120-17139).



## Publications

Chang Kuang-Leei Chao Wan-Ru Han Chih-Ping. Anticytokeratin (CAM5.2) Reagent Identifies Cytokeratins 7 and 9, Not Cytokeratin 18. Chest 2014-06-04 [PMID: 24889460]

Busch A, Bauer L, Wardelmann E et al. Prognostic relevance of epithelial-mesenchymal transition and proliferation in surgically treated primary parotid gland cancer. J. Clin. Pathol. 2016-10-11 [PMID: 27729431] (IF/IHC, Human)

Chang Kuang-Leei Chao Wan-Ru Han Chih-Ping. Anticytokeratin (CAM5.2) Reagent Identifies Cytokeratins 7 and 9, Not Cytokeratin 18. CHEST.

### Details:

A shoRat commentary on cytokeratin antibodies.

Martin CA, Salomoni PD, Badran AF. Cytokeratin immunoreactivity in mouse tissues: study of different antibodies with a new detection system. Appl Immunohistochem Mol Morphol. 2001-03-01 [PMID: 11277418] (IHC-P, Mouse)

### Details:

IHC (paraffin), mouse tissues including lung, kidney, liver, stomach, and small and large intestine: Representative data shown in Fig 3 (colon mucosa).

Han CP, Huang YC, Lee MY et al. Anti-cytokeratin CAM5.2 should not be mistaken for cytokeratin 8/18 monoclonal antibody: Comment on ""Spindle cell squamous cell carcinoma not expressing stratified but simple epithelial cytokeratin: Efficacy of simple epithelial cytokeratin immunoreactivity"" J Dermatol 2012-09-11 [PMID: 22963005]





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### **Products Related to NB120-17139**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
MAB1368	alpha-Fetoprotein/AFP Antibody (189502) [Unconjugated]

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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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