

# Product Datasheet

## Cytokeratin 19 Antibody (BA17) - Azide and BSA Free NBP2-34560-0.1 mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-34560-0.1 mg**

Cytokeratin 19 Antibody (BA17) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	BA17
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	40 kDa

**Product Description**

<b>Host</b>	Mouse
<b>Gene ID</b>	3880
<b>Gene Symbol</b>	KRT19
<b>Species</b>	Human
<b>Marker</b>	Pancreatic Stem Cell Marker
<b>Specificity/Sensitivity</b>	This Ab reacts with the rod domain of human cytokeratin 19 (CK19), a polypeptide of 40kDa. CK19 is expressed in sweat gland, mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, and ectocervical epithelium. Anti-CK19 reacts with a wide variety of epithelial malignancies including adenocarcinomas of the colon, stomach, pancreas, biliary tract, liver, and breast. Perhaps the most useful application is the identification of thyroid carcinoma of the papillary type, although 50%-60% of follicular carcinomas are also labeled. Anti-CK19 is a useful marker for detection of tumor cells in lymph nodes, peripheral blood, bone marrow and breast cancer.
<b>Immunogen</b>	Human mammary epithelial organoids

**Product Application Details**

<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 0.5-1ug/ml, Flow Cytometry 0.5-1ug/million cells, ELISA 1-5ug/ml for coating, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1-2ug/ml, Immunoprecipitation 1-2ug/500ug protein, Immunohistochemistry-Paraffin 0.5-1ug/ml, Immunohistochemistry-Frozen 0.5-1ug/ml, CyTOF-ready
<b>Application Notes</b>	Immunohistochemistry (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)

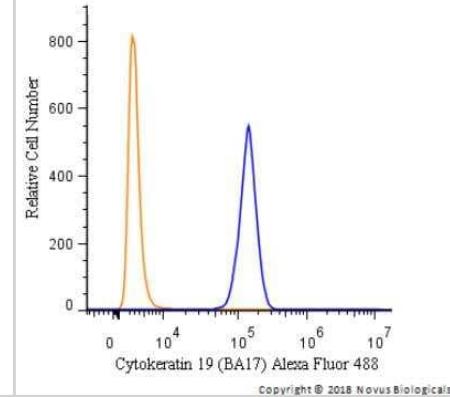


## Images

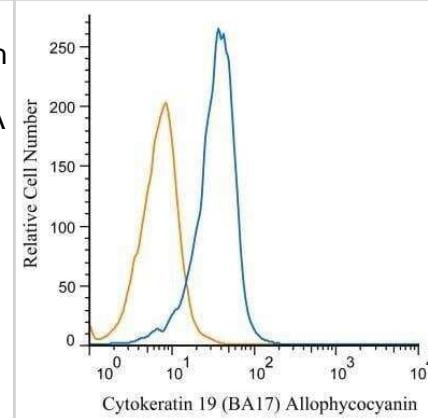
Immunohistochemistry-Paraffin: Cytokeratin 19 Antibody (BA17) - Azide and BSA Free [NBP2-34560] - Formalin-fixed, paraffin-embedded human colon stained with Cytokeratin 19 MAb (BA17) image 1 of 5 previous next close



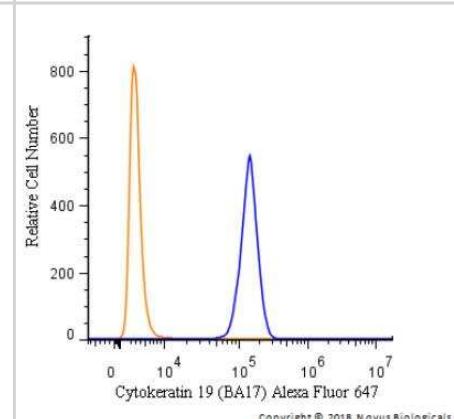
Flow Cytometry: Cytokeratin 19 Antibody (BA17) - Azide and BSA Free [NBP2-34560] - An intracellular stain was performed on HeLa cells with Cytokeratin 19 [BA17] Antibody NBP2-34560AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.



Flow Cytometry: Cytokeratin 19 Antibody (BA17) - Azide and BSA Free [NBP2-34560] - An intracellular stain was performed on HepG2 cells with Cytokeratin 19 antibody (BA17) NBP2-34560APC (blue) and a matched isotype control NBP2-27287APC (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Allophycocyanin.



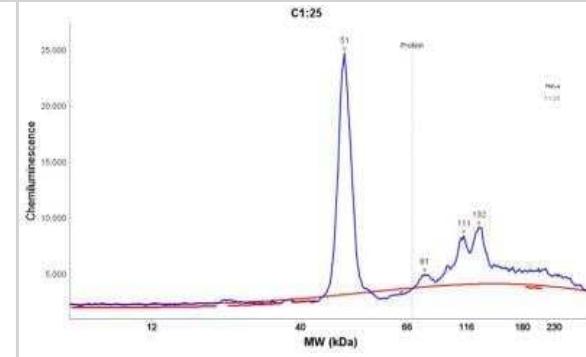
Flow Cytometry: Cytokeratin 19 Antibody (BA17) - Azide and BSA Free [NBP2-34560] - An intracellular stain was performed on HeLa cells with Cytokeratin 19 [BA17] Antibody NBP2-34560AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



Simple Western: Cytokeratin 19 Antibody (BA17) - Azide and BSA Free [NBP2-34560] - Lane view shows a specific band for Cytokeratin 19 in 0.2 mg/ml of HeLa lysate(s). This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: Cytokeratin 19 Antibody (BA17) - Azide and BSA Free [NBP2-34560] - Electropherogram image of the corresponding Simple Western lane. Cytokeratin 19 antibody was used at 10 ug/ml dilution of HeLa lysates(s) respectively.





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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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