

# Product Datasheet

## EpCAM/TROP1 Antibody (rMOC-31) - Azide and BSA Free **NBP2-54521-100ug**

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP2-54521-100ug**

EpCAM/TROP1 Antibody (rMOC-31) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	100 ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20 to -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	rMOC-31
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS

**Product Description**

<b>Description</b>	1.0 mg/ml of recombinant monoclonal antibody purified by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53329).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
<b>Host</b>	Mouse
<b>Gene ID</b>	4072
<b>Gene Symbol</b>	EPCAM
<b>Species</b>	Human, Rat (Negative)
<b>Reactivity Notes</b>	Does not react with Rat, Canine or Feline.
<b>Marker</b>	Epithelial Marker
<b>Specificity/Sensitivity</b>	Binding epitope of this antibody is located in the first EGF-like repeat domain (EGF1) between amino acids 27-59 of EpCAM. EGP40 is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (EpCAM). It is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas with the exception of adult squamous epithelium, hepatocytes and gastric epithelial cells. This antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.
<b>Immunogen</b>	Recombinant full-length human EpCAM/TROP1 protein (Uniprot: P16422 )

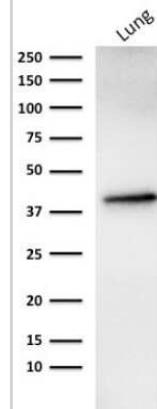
**Product Application Details**

<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 0.5 - 1.0 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, CyTOF-ready
<b>Application Notes</b>	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

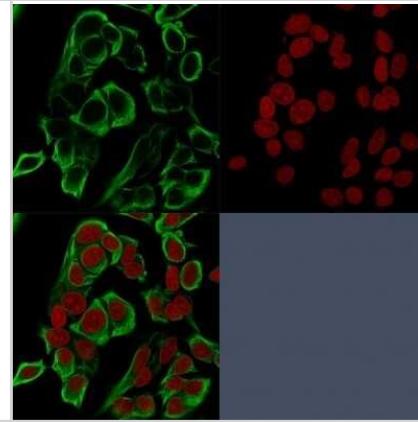


## Images

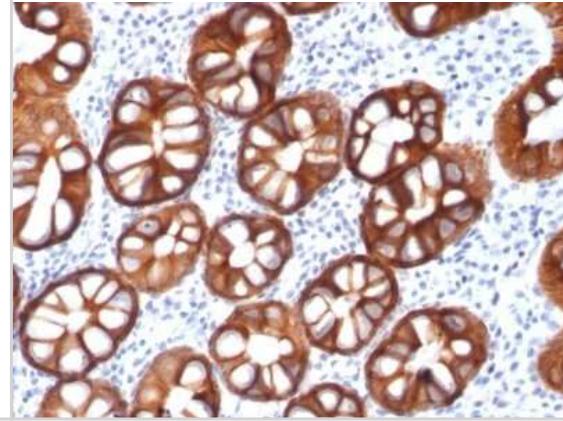
Western Blot: EpCAM/TROP1 Antibody (rMOC-31) - Azide and BSA Free [NBP2-54521] - Western blot analysis of human lung tissue lysate using EpCAM/TROP1 antibody (rMOC-31).



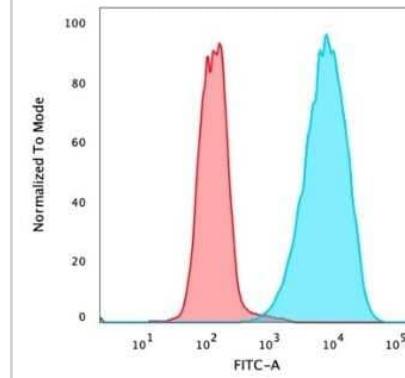
Immunocytochemistry/Immunofluorescence: EpCAM/TROP1 Antibody (rMOC-31) - Azide and BSA Free [NBP2-54521] - Confocal immunofluorescence analysis of MCF-7 cells using labeled in Green. Red Dot is used to label the nucleus red.



Immunohistochemistry-Paraffin: EpCAM/TROP1 Antibody (rMOC-31) - Azide and BSA Free [NBP2-54521] - Formalin-fixed, paraffin-embedded Human Colon Carcinoma stained with Ep-CAM Recombinant Mouse Monoclonal Antibody (rMOC-31).



Flow Cytometry: EpCAM/TROP1 Antibody (rMOC-31) - Azide and BSA Free [NBP2-54521] - Flow cytometric analysis of PFA-fixed MCF-7 cells stained with EpCAM Mouse Recombinant Monoclonal Antibody (rMOC-31) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).





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## Products Related to NBP2-54521-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-52190-0.05mg	Recombinant Human EpCAM/TROP1 His Protein

## 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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