

# Product Datasheet

## EpCAM/TROP1 Antibody (VU-1D9) [PE] NBP1-30417-100Tests

Unit Size: 100 Tests

Store at 4C in the dark.

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**NBP1-30417-100Tests**

EpCAM/TROP1 Antibody (VU-1D9) [PE]

<b>Product Information</b>	
<b>Unit Size</b>	100 Tests
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	VU-1D9
<b>Preservative</b>	0.9% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	PE
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS and 0.2% (w/v) high grade BSA (protease free)
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	4072
<b>Gene Symbol</b>	EPCAM
<b>Species</b>	Human, Ferret (Negative), Rat (Negative)
<b>Reactivity Notes</b>	Does not react with Rat and ferret.
<b>Marker</b>	Epithelial Marker
<b>Specificity/Sensitivity</b>	EGP40 is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. 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>	Small cell lung carcinoma cells
<b>Notes</b>	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. Store in the dark, avoid prolonged exposure to light. The content of a vial (2 ml) is sufficient for approximately 100 tests.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, Flow Cytometry 1-3 ug/ml, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
<b>Application Notes</b>	The reagent is designed for Flow Cytometry analysis of human blood cells using 20 ul reagent / 100 ul of whole blood or 10 <sup>6</sup> cells in a suspension.

## Publications

Brunner A, Prelog M, Verdorfer I et al. EpCAM is predominantly expressed in high grade and advanced stage urothelial carcinoma of the bladder J Clin Pathol 2008-03-01 [PMID: 17586680]

Details:

This reference used the PE version of NBP2-33051.

Winter MJ, Nagtegaal ID, van Krieken JH et al. The epithelial cell adhesion molecule (Ep-CAM) as a morphoregulatory molecule is a tool in surgical pathology Am J Pathol 2003-12-01 [PMID: 14633587]

Details:

This reference used the PE version of NBP2-33051.

Li G, Passebosc-Faure K, Lambert C et al. Flow cytometric analysis of antigen expression in malignant and normal renal cells Anticancer Res 2000-07-01 [PMID: 10953356]

Details:

This reference used the PE version of NBP2-33051.

Ogura E, Senzaki H, Yoshizawa K et al. Immunohistochemical localization of epithelial glycoprotein EGP-2 and carcinoembryonic antigen in normal colonic mucosa and colorectal tumors Anticancer Res 1998-09-01 [PMID: 9854475]

Details:

This reference used the PE version of NBP2-33051.

Tsubura A, Senzaki H, Sasaki M et al. Immunohistochemical demonstration of breast-derived and/or carcinoma-associated glycoproteins in normal skin appendages and their tumors J Cutan Pathol 1992-02-01 [PMID: 15562711]

Details:

This reference used the PE version of NBP2-33051.





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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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