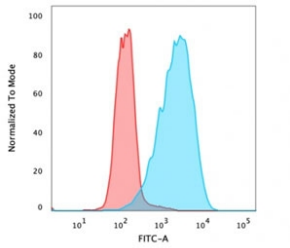
EpCAM Antibody [clone Ber-EP4] (V7934)

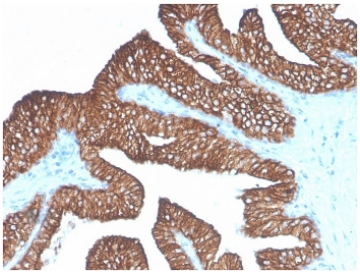
Catalog No.	Formulation	Size
V7934-0.5ML	Culture supernatant with 0.05% sodium azide	0.5 ml
V7934-0.1ML	Culture supernatant with 0.05% sodium azide	0.1 ml

Bulk quote request

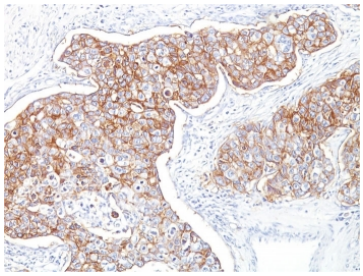
Availability	1-3 business days
Species Reactivity	Human
Format	Culture supernatant
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	Ber-EP4
Purity	Culture supernatant
UniProt	P16422
Localization	Cell surface, cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1:100-1:200 Flow Cytometry : 1:100-1:200
Limitations	This EpCAM antibody is available for research use only.



Flow cytometry testing of human MCF7 cells with EpCAM antibody (clone Ber-EP4); Red=isotype control, Blue= EpCAM antibody.



IHC staining of FFPE human prostate carcinoma with EpCAM antibody (clone Ber-EP4). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



IHC staining of FFPE human breast carcinoma with EpCAM antibody (clone Ber-EP4). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

Description

Recognizes a 40-43kDa transmembrane epithelial glycoprotein, 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 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. It is also useful in distinguishing serous carcinomas of the ovary from mesothelioma. It has been reported that this epithelial antigen plays an important role as a tumor-cell marker in lymph nodes from patients with esophageal carcinoma otherwise classified as node-negative. Epithelial antigen has also been suggested as a discriminator between basal cell and baso-squamous carcinomas, and squamous cell carcinoma of the skin.

Application Notes

Optimal dilution of the EpCAM antibody should be determined by the researcher.

Immunogen

Human breast cancer MCF-7 cells were used as the immunogen for the EpCAM antibody.

Storage

Store the EpCAM antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com