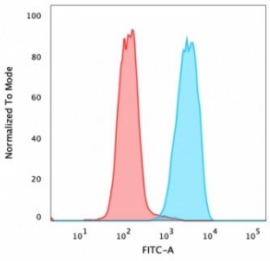
EpCAM Antibody [clone 323/A3] (V2187)

Catalog No.	Formulation	Size
V2187-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2187-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2187SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2187IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

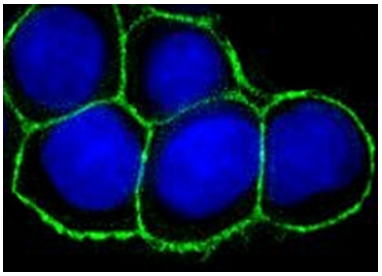
Citations (9)

Bulk quote request

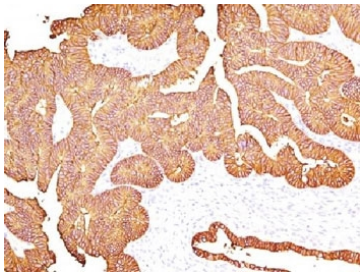
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	323/A3
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	4072
Localization	Cell surface, cytoplasmic
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This EpCAM antibody 323/A3 is available for research use only.



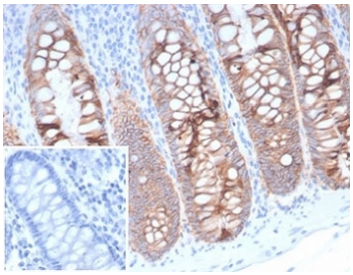
EpCAM Antibody 323/A3 FACS. Flow cytometry testing of PFA-fixed human MCF7 cells with EpCAM antibody (clone 323/A3); Red=isotype control, Blue= EpCAM antibody.



EpCAM Antibody 323/A3 IF. Immunofluorescent testing of FFPE human HT29 cells with EpCAM antibody (clone 323/A3). Green = EpCAM antibody, blue = DAPI (nuclear stain).



EpCAM Antibody 323/A3 IHC. Immunohistochemistry testing of FFPE human colon carcinoma with EpCAM antibody (clone 323/A3).



EpCAM Antibody 323/A3 Colon IHC. Immunohistochemistry testing of FFPE human colon tissue with EpCAM antibody (clone 323/A3). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

EpCAM antibody clone 323/A3 is a monoclonal antibody specific for epithelial cell adhesion molecule, also known as EpCAM or CD326. EpCAM is a transmembrane glycoprotein expressed on most epithelial cells and many epithelial-derived tumors. It mediates cell adhesion, proliferation, and signaling, and its overexpression in carcinomas makes it a key biomarker in cancer research and pathology. NSJ Bioreagents supplies EpCAM antibody clone 323/A3 for researchers investigating epithelial biology, stem cells, and tumor progression.

In normal tissues, EpCAM antibody clone 323/A3 produces strong membranous staining of epithelial cells lining the gastrointestinal tract, liver, pancreas, and other organs. Its restricted expression pattern provides a reliable marker for distinguishing epithelial populations from stromal or mesenchymal cells. Researchers frequently use this antibody to study epithelial development and tissue organization.

In oncology, EpCAM antibody clone 323/A3 is widely applied to detect carcinomas, where EpCAM is upregulated and linked to enhanced proliferation and metastasis. It has been used to classify adenocarcinomas of the colon, pancreas, breast, and lung, among others. EpCAM expression is often associated with poor clinical outcomes, and clone 323/A3 supports investigations into its role as a prognostic biomarker. The antibody has also been used to explore EpCAM as a therapeutic target, as it is expressed on cancer stem-like cells that drive tumor recurrence and resistance.

Beyond cancer, EpCAM antibody clone 323/A3 is important in stem cell research. EpCAM is expressed on embryonic stem cells and progenitor cells, where it participates in maintaining pluripotency and cell-cell interactions. This antibody enables the identification of epithelial progenitors in developmental and regenerative studies.

EpCAM antibody clone 323/A3 has been validated across tissue-based and cell-based assays, producing consistent and reproducible results. Its publication history demonstrates its long-standing role as a standard tool in epithelial and cancer biology. Alternate names include CD326 antibody, epithelial antigen antibody, and tumor associated calcium signal

transducer 1 antibody.

Explore our EpCAM Antibody / Epithelial Cell Marker Antibody page for additional validation data and applications involving epithelial cell identification, tissue organization, and epithelial-derived tumor research.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the EpCAM antibody 323/A3 to be titered up or down for optimal performance.

1. Staining of formalin/paraffin tissues REQUIRES digestion of tissue sections with pepsin at 1mg/ml Tris-HCl, pH 2.0 for 15 min at RT or 10 min at 37C.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

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

Storage

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

References (1)

Copyright © NSJ Bioreagents. All rights reserved.