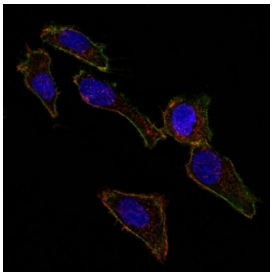
EpCAM Antibody CF488 Conjugate [clone EGP40/826] (V2691CF488)

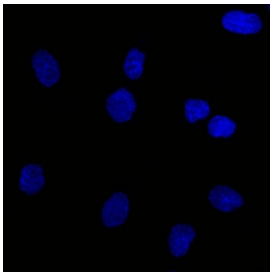
Catalog No.	Formulation	Size
V2691CF488-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

Bulk quote request

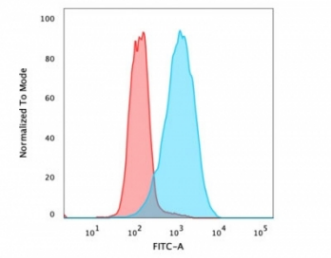
Availability	1-3 business days
Species Reactivity	Human
Format	CF488 Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	EGP40/826
Purity	Protein G affinity chromatography
UniProt	P16422
Localization	Cell surface
Applications	Flow cytometry: 5ul per test per one 10^6 cells in 0.1ml or 5ul per 100ul of whole blood Immunofluorescence: 1:50-1:100
Limitations	This EpCAM Antibody CF488 Conjugate is available for research use only.



EpCAM Antibody CF488 Conjugate IF. Immunofluorescent staining of human SK-OV-3 cells with CF488-conjugated EpCAM antibody (clone EGP40/826, green), phalloidin (red) and DAPI nuclear stain (blue).



Immunofluorescent staining of human SK-OV-3 cells with isotype control antibody (green) and DAPI nuclear stain (blue).



Flow cytometry testing of PFA-fixed human MCF7 cells with unlabeled EpCAM antibody (clone EGP40/826) + CF488-labeled secondary; Red=isotype control, Blue= EpCAM antibody.

Description

Recognizes a 40-43kDa transmembrane epithelial glycoprotein, identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). Ep-CAM 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. It is also useful in distinguishing serous carcinomas of the ovary from mesothelioma. 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.

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

Optimal dilution of the EpCAM Antibody CF488 Conjugate should be determined by the researcher.

Immunogen

A synthetic peptide (around aa 20-60) from the N-terminus of the human protein was used as the immunogen for the EpCAM antibody.

Storage

Store the EpCAM antibody at 2-8oC, protected from light.

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