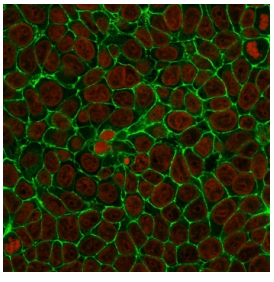
# Anti-EpCAM Antibody [clone SPM134] (V2689)

| Catalog No. | Formulation | Size |
|---|---|---|
| V2689-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2689-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2689SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V2689IHC-7ML | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml |

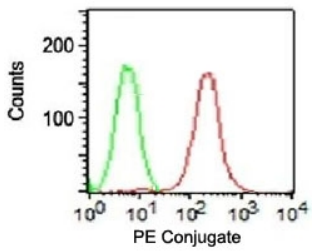
Citations (1)

**Bulk quote request**

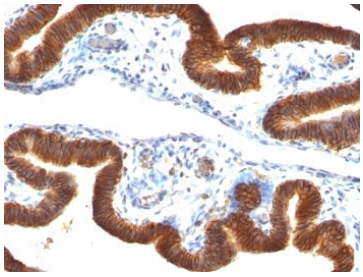
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | SPM134 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P16422 |
| **Localization** | Cell surface, cytoplasmic |
| **Applications** | Immunofluorescence: 1-2ug/ml<br>Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT<br>Flow cytometry: 1-2ug/million cells |
| **Limitations** | This anti-EpCAM antibody is available for research use only. |



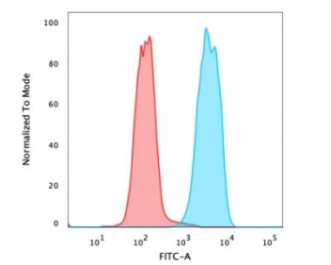
Immunofluorescent staining of human MCF7 cells with anti-EpCAM antibody (clone SPM134, green) and Reddot nuclear stain (red).




FACS surface testing of HT29 cells using PE conjugated anti-EpCAM antibody (red) and isotype control (green).



Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with anti-EpCAM antibody (clone SPM134).




Flow cytometry testing of PFA-fixed human MCF7 cells with anti-EpCAM antibody (clone SPM134); Red=isotype control, Blue= anti-EpCAM antibody.

## Description

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.

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 anti-EpCAM antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min
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

Small cell lung carcinoma cells were used as the immunogen for the anti-EpCAM antibody.

## Storage

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


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