

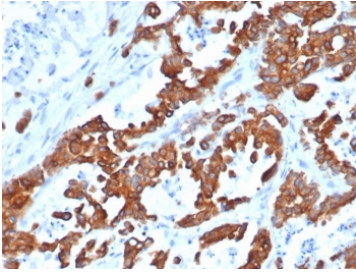
Recombinant EpCAM Antibody / Rabbit Monoclonal [clone EGP40/1555R] (V7264)

Catalog No.	Formulation	Size
V7264-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7264-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7264SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7264IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

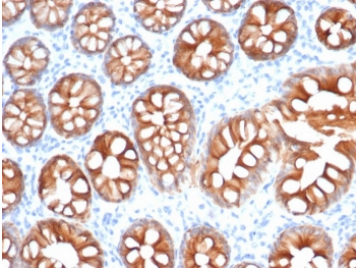
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

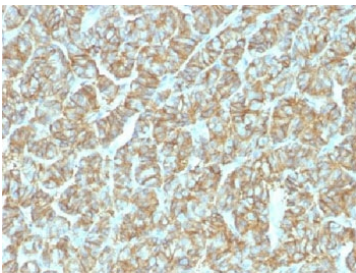
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	EGP40/1555R
Purity	Protein A affinity chromatography
UniProt	P16422
Localization	Cell surface, cytoplasmic
Applications	Flow Cytometry : 1-2ug/10 ⁶ cells Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Immunofluorescence : 1-2ug/ml
Limitations	This recombinant EpCAM antibody is available for research use only.



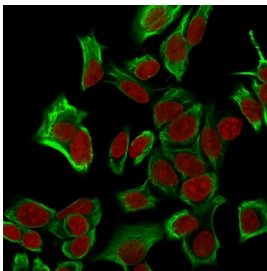
IHC testing of FFPE human prostate carcinoma and recombinant EpCAM antibody (clone EGP40/1555R). HIER: steam sections in pH9 EDTA for 10-20 min.



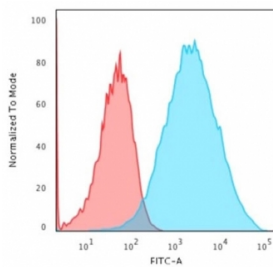
IHC testing of FFPE human colon carcinoma and recombinant EpCAM antibody (clone EGP40/1555R). HIER: steam sections in pH9 EDTA for 10-20 min.



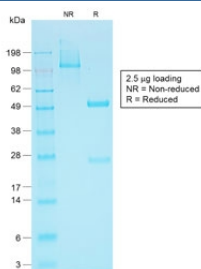
IHC testing of FFPE human thyroid carcinoma and recombinant EpCAM antibody (clone EGP40/1555R). HIER: steam sections in pH6 citrate buffer for 10-20 min.



Immunofluorescent staining of MeOH fixed human HeLa cells with recombinant EpCAM antibody (clone EGP40/1555R, green) and Reddot nuclear stain (red).



Flow cytometry testing of human MCF7 cells with recombinant EpCAM antibody (clone EGP40/1555R); Red=isotype control, Blue= recombinant EpCAM antibody.



SDS-PAGE analysis of purified, BSA-free recombinant EpCAM antibody (clone EGP40/1555R) as confirmation of integrity and purity.

Description

Recombinant EpCAM antibody detects epithelial cell adhesion molecule, a transmembrane glycoprotein encoded by the EPCAM gene. EpCAM is expressed on most epithelial tissues and many epithelial-derived tumors, where it contributes to cell adhesion, proliferation, and signaling. Because of its diagnostic and therapeutic importance, Recombinant EpCAM antibody is a key reagent in oncology, stem cell biology, and epithelial research.

EpCAM has a large extracellular region, a single transmembrane domain, and a short cytoplasmic tail. It mediates homotypic cell adhesion, supports epithelial integrity, and can undergo regulated cleavage that releases an intracellular fragment influencing transcription. Overexpression of EpCAM is common in carcinomas, where it is linked to tumor progression, metastasis, and poor prognosis. Its dual role as an adhesion molecule and signaling regulator has made it a central focus in epithelial tumor biology.

The Recombinant EpCAM antibody clone EGP40/1555R delivers specific and reproducible recognition of this marker. Recombinant production ensures lot-to-lot consistency, which is essential for reproducibility in both clinical and experimental settings. Clone EGP40/1555R has been referenced in peer-reviewed studies examining tumor biology, circulating tumor cells, and targeted therapeutic approaches. Its versatility supports use in immunohistochemistry, flow cytometry, and translational research.

Research using clone EGP40/1555R has clarified how EpCAM detection aids in distinguishing carcinomas from non-epithelial tumors. It is also used in studies of circulating tumor cells, where EpCAM serves as a capture marker to enrich and characterize rare malignant cells in blood. Therapeutically, antibodies against EpCAM are being investigated for cancer treatment, and detection with this clone supports biomarker validation for such strategies.

NSJ Bioreagents provides this Recombinant EpCAM antibody to support oncology, epithelial biology, and therapeutic research. Alternate designations include EPCAM antibody, epithelial cell adhesion molecule antibody, ESA antibody, TACSTD1 antibody, tumor-associated calcium signal transducer 1 antibody, and epithelial tumor marker 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

Titration of the recombinant EpCAM antibody may be required for optimal performance.

1. 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

Recombinant full length protein was used as the immunogen for the recombinant EpCAM antibody.

Storage

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

