

EP-CAM Conjugated Antibody

Catalog No: #C48359



Package Size: #C48359-AF350 100ul #C48359-AF405 100ul #C48359-AF488 100ul

#C48359-AF555 100ul #C48359-AF594 100ul #C48359-AF647 100ul

#C48359-AF680 100ul #C48359-AF750 100ul #C48359-Biotin 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	EP-CAM Conjugated Antibody
Host Species	Mouse
Clonality	Monoclonal
Species Reactivity	Hu,Ms
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	17 1A antibody 323/A3 antibody Adenocarcinoma associated antigen antibody Adenocarcinoma-associated antigen antibody Antigen identified by monoclonal antibody AUA1 antibody AUA1 antibody CD326 antibody CD326 antigen antibody Cell surface glycoprotein Trop 1 antibody Cell surface glycoprotein Trop 2 antibody Cell surface glycoprotein Trop-1 antibody CO 17A antibody CO17 1A antibody CO17A antibody DIAR5 antibody EGP 2 antibody EGP antibody EGP2 antibody EGP314 antibody EGP40 antibody Ep CAM antibody Ep-CAM antibody EPCAM antibody EPCAM_HUMAN antibody EpCAM1 antibody Epithelial cell adhesion molecule antibody Epithelial Cell Adhesion Molecule Intracellular Domain (EpCAM-ICD) antibody Epithelial cell surface antigen antibody Epithelial cellular adhesion molecule antibody Epithelial glycoprotein 1 antibody Epithelial glycoprotein 314 antibody Epithelial glycoprotein antibody ESA antibody GA733 1 antibody GA733 2 antibody GA733-2 antibody gastrointestinal tumor-associated antigen 2, 35-KD glycoprotein antibody gp4 antibody hEGP 2 antibody hEGP314 antibody HNPCC8 antibody Human epithelial glycoprotein 2 antibody KS 1/4 antigen antibody KS1/4 antibody KSA antibody Ly74 antibody Lymphocyte antigen 74 antibody M1S 1 antibody M1S2 antibody M4S1 antibody Major gastrointestinal tumor associated protein GA733 2 antibody Major gastrointestinal tumor-associated protein GA733-2 antibody mEGP314 antibody Membrane component chromosome 4 surface marker (35kD glycoprotein) antibody Membrane component, chromosome 4, surface marker 1 antibody Membrane component, chromosome 4, surface marker antibody MIC18 antibody MK 1 antibody Protein 289A antibody TACD1 antibody TACSTD1 antibody TROP1 antibody Tumor associated calcium signal transducer 1 antibody Tumor associated calcium signal transducer 2 precursor antibody Tumor-associated calcium signal transducer 1 antibody
Accession No.	Swiss-Prot#:P16422
Uniprot	P16422
GeneID	4072;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm

	AF680: 679nm/702nm
	AF750: 749nm/775nm
Calculated MW	35 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Epithelial cell adhesion molecule (EpCAM) is a transmembrane glycoprotein mediating Ca²⁺-independent homotypic cell-cell adhesion in epithelia. EpCAM is also involved in cell signaling, migration, proliferation, and differentiation. Additionally, EpCAM has oncogenic potential via its capacity to upregulate c-myc, e-fabp, and cyclins A & E. Since EpCAM is expressed exclusively in epithelia and epithelial-derived neoplasms, EpCAM can be used as diagnostic marker for various cancers. It appears to play a role in tumorigenesis and metastasis of carcinomas, so it can also act as a potential prognostic marker and as a potential target for immunotherapeutic strategies. Mutations in EpCAM have also been associated with congenital tufting enteropathy which causes intractable diarrhea in newborn children. Specificity/Source: This antibody is produced by immunizing mice with recombinant protein corresponding to a region of EpCAM.

Note: This product is for in vitro research use only