

Recombinant Human EPCAM protein, His-tagged, Site-Specific PE-Labeled

Cat. No. EPCAM-2938H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPCAM protein(NP_002345.1) (Met1-Lys265) was expressed in HEK293 with a polyhistidine tag at the C-terminus. The protein is site-specifically labeled with PE (Excitation = 495-566 nm, Emission Max. = 575 nm).
Species	Human
Source	HEK293
ProteinLength	Met1-Lys265
Tag	C-His
Form	This product is Lyophilized from sterile PBS, 0.2% BSA, pH 7.4.
Bio-activity	<ol style="list-style-type: none">293 cells were lentivirally transduced with anti-EpCAM CAR. Flow cytometric analysis was performed with PE-conjugated human EpCAM protein. Non-transduced 293 cells were used as a control.PBMC cells were stained with anti-CD3 antibody and PE-conjugated human EpCAM protein and detected by flow cytometry. PBMC cells stained with anti-CD3 antibody were used as a control.
Molecular Mass	The recombinant Human EpCAM consists of AA Met1-Lys265 with a polyhistidine tag at the C-terminus. It has a predicted molecular mass of 30.9 kDa.

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Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Storage	Twelve months from date of receipt at -20°C to -70°C in lyophilized form and 3 months at -70°C under sterile conditions after reconstitution. Protect from prolonged exposure to light and avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	EPCAM epithelial cell adhesion molecule [Homo sapiens]
Official Symbol	EPCAM
Synonyms	EPCAM; epithelial cell adhesion molecule; antigen identified by monoclonal AUA1 , M4S1, MIC18, TACSTD1, tumor associated calcium signal transducer 1; 17 1A; 323/A3; CD326; CO 17A; EGP 2; EGP34; EGP40; Ep CAM; ESA; GA733 2; HEA125; KS1/4; KSA; Ly74; MH99; MK 1; MOC31; TACST 1; TROP1; epithelial glycoprotein 314; human epithelial glycoprotein-2; cell surface glycoprotein Trop-1; adenocarcinoma-associated antigen; tumor-associated calcium signal transducer 1; major gastrointestinal tumor-associated protein GA733-2; membrane component, chromosome 4, surface marker (35kD glycoprotein); M4S1; MK-1; DIAR5; EGP-2; MIC18; EGP314; HNPCC8; TACSTD1; GA733-2;
Gene ID	4072
mRNA Refseq	NM_002354
Protein Refseq	NP_002345

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MIM	185535
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UniProt ID	P16422
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