

Recombinant Human EPCAM Protein, His-tagged, Biotinylated

Cat. No. EPCAM-220H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant human EPCAM protein with His tag was expressed in HEK293..
Species	Human
Source	HEK293
ProteinLength	314
Description	This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy.
Form	Lyophilized
Molecular Mass	29 kDa
AA Sequence	MAPPQVLAFLGLLLAATATFAAAQEECVCENYKLAVNCFVNNNRQCQCTSVGAQNT VICSKLAAKCLVMKAEMNGSKLGRRAKPEGALQNNNDGLYDPDCDESGLFKAKQCN GTSMCWCVNTAGVRRTDKDEITCSERVRTYWIIIELKHKAREKPYDSKSLRTALQK EITTRYQLDPKFITSILYENNVIDLVQNSSQKTQNDVDIADVAYYFEKDVKGESLFHS KKMDLTVNGEQLDLDPGQTLIYYVDEKAPEFSMQGLKAGVIAVIVVVVIAVVAGIVVL

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	VISRKKRMAKYEKAEIKEMGEMHRELNA
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.
Conjugation	Biotin

GENE INFORMATION

Gene Name	EPCAM epithelial cell adhesion molecule [Homo sapiens (human)]
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;

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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](#)

MIM [185535](#)

UniProt ID [P16422](#)

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