

Recombinant Human EPCAM Protein, Fc-tagged

Cat. No. EPCAM-222H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant human EPCAM protein with Fc 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 | 54 kDa |
| AA Sequence | MAPPQVLAFLGLLAAATATFAAAQEECVCENYKLAVNCFVNNNRQCQCTSVGAQNT VICSKLAAKCLVMKAEMNGSKLGRRAKPEGALQNNNDGLYDPDCDESGLFKAKQCN GTSMCWCVNTAGVRRRTDKDTEITCSERVRTYWIIIELKHKAREKPYDSKSLRTALQK EITTRYQLDPKFITSILYENNVIDLVQNSSQKTQNDVDIADVAYYFEKDVKGESLFHS KKMDLTVNGEQLDLDPGQTLIYYVDEKAPEFSMQGLKAGVIAVIVVVVIAVVAGIVVL VISRKKRMAKYEKAEIKEMGEMHRELNA |

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| 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. |

GENE INFORMATION

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| 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; 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; |

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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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