

## Active Recombinant Human EPCAM protein, Fc-tagged

**Cat. No.** EPCAM-81H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human EPCAM protein(Gln24-Lys265)(NP_002345.1) was expressed in HEK293 with the fused Fc region of human IgG1 at the C-terminus.                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 24-265 aa                                                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).                                                                                                                                                              |
| <b>Bio-activity</b>     | Immobilized Human EpCAM, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-EpCAM Antibody, hFc Tag with the EC50 of 27.4ng/ml determined by ELISA.                                 |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 54.2 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.                                                                                      |
| <b>Endotoxin</b>        | Less than 1 EU per µg by the LAL method.                                                                                                                                                                                |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC                                                                                                                                                        |
| <b>Storage</b>          | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

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**Reconstitution** Dissolve the lyophilized protein in distilled water.

## 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

**MIM** 185535

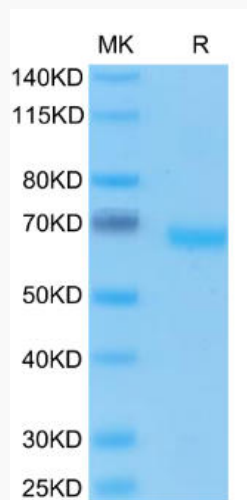
**UniProt ID** P16422

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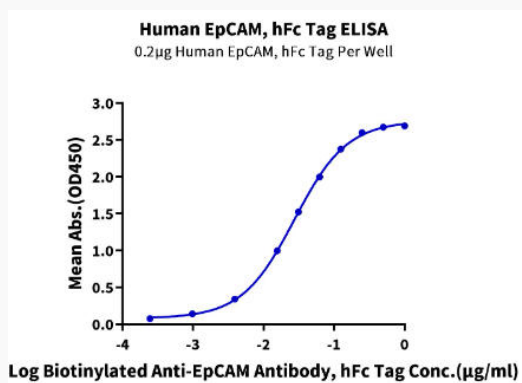
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## Bis-Tris PAGE



## ELISA Data



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