

EpCAM/TROP1 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P70900
Synonyms:	17-1A; 323/A3; ACSTD1; CD326; EGP-2; EGP314; EGP40; EpCAM; MOC31; TACST-1; TACSTD1; TROP1;
Species:	Mouse
Source:	HEK293
Accession:	Q99JW5 (Q24-T266)
Gene ID:	17075
Molecular Weight:	60-80 kDa

PROPERTIES

AA Sequence	<pre> QRDCVCDNYK LATSCSLNEY GECQCTSYGT QNTVICSKLA SKCLAMKAEM THSKSGRRIK PEGAIQNNDG LYDPDCDEQG LFKAKQCNGT ATCWCVNTAG VRRTDKDTEI TCSERVRTYW IIIELKHKER ESPYDHQSLQ TALQEAFTSR YKLNQKFIKN IMYENNVITI DLMQNSSQKT QDDVDIADVA YYFEKDKVGE SLFHSSKSMD LRVNGEPLDL DPGQTLIYYV DEKAPEFSMQ GLT </pre>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>EpCAM/TROP1 protein is involved in various biological processes. It may function as a physical homophilic interaction molecule, facilitating communication between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) in the mucosal epithelium, thereby contributing to the immunological barrier as a primary defense against mucosal infections. Additionally, EpCAM/TROP1 plays a role in the proliferation and differentiation of embryonic stem cells. It is also known to up-regulate the expression of FABP5, MYC, and cyclins A and E, potentially influencing cell cycle progression. EpCAM/TROP1</p>
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exists as a monomer and interacts with phosphorylated CLDN7.

Caution: Product has not been fully validated for medical applications. For research use only.

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