

Recombinant Mouse EpCAM (C-Fc)

Catalog #	EPT017
Expression Host	Human Cells
DESCRIPTION	Recombinant Mouse Epithelial Cell Adhesion Molecule
	is produced by our Mammalian expression system and
	the target gene encoding GIn24-Thr266 is expressed
	with a Fc tag at the C-terminus.
Accession	Q99JW5
Synonyms	17-1A; 323/A3; ACSTD1;CD326;EGP-2; EGP314; EGP40;
	EpCAM; MOC31; TACST-1; TACSTD1; TROP1;
Mol Mass	54.8 KDa
AP Mol Mass	60-80 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing
	SDS-PAGE.
Endotoxin	Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL
	test.
FORMULATION	Lyophilized from a 0.2 μm filtered solution of PBS, pH
	7.4.
RECONSTITUTION	Always centrifuge tubes before opening.Do not mix by



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vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING The product is shipped at ambient temperature.Upon receipt, store it immediately at the temperature listed below.

STORAGELyophilized protein should be stored at < -20 ° C,
though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C
for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

BACKGROUNDEpithelial Cellular Adhesion Molecule (Ep-CAM), also
known as EGP314, mEGP314, Protein 289A,
Tumor-associated calcium signal transducer 1, CD326,
belongs to the EPCAM family. Its' monomer subunit
structure interacts with phosphorylated CLDN7.
Ep-CAM may act as a physical homophilic interaction
molecule between intestinal epithelial cells (IECs) and



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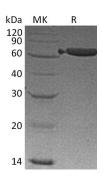
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intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. It plays a role in embryonic stem cells proliferation and differentiation. It also up-regulates the expression of MYC FABP5, and cyclins А and Ε. The post-translational modification glycosylation at Asn-198 is crucial for protein stability.



SDS-PAGE



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