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## **EpCAM Protein (Fc Tag)**





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#### Overview

Quantity:	50 μg
Target:	EpCAM (EPCAM)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EpCAM protein is labelled with Fc Tag.

#### **Product Details**

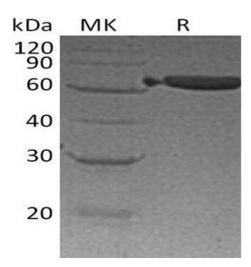
Purpose:	Recombinant Mouse EpCAM/TROP-1 Protein (Fc Tag)(Active)
Sequence:	Gln24-Thr266
Characteristics:	Recombinant Mouse EpCAM is produced by our Mammalian expression system and the target gene encoding Gln24-Thr266 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human CTSL2-His(Cat: PKSH032183) at 10µg/ml(100 µl/well) can bind Mouse EpCAM-Fc.

## Target Details

Target:	EpCAM (EPCAM)
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## **Target Details**

Alternative Name:	EpCAM/TROP-1 (EPCAM Products)
Background:	Background: ROR1,also known as Neurotrophic tyrosine kinase, receptor-related 1, belongs to
	the ROR subfamily of Tyr protein kinase family,a protein kinase superfamily. It has very low
	kinase activity in vitro and is unlikely to function as a tyrosine kinase in vivo. Human ROR1 is a
	type I transmembrane protein with 937 amino acids (aa) in length. It contains a 29 aa signal
	sequence, a 377 aa extracellular domain (ECD), a 21 aa transmembrane segment, and a 510 aa
	cytoplasmic region. Human ROR1 shares 97 $\%$ and 58 $\%$ aa sequence identity with mouse
	ROR1 and human ROR2, respectively. ROR1 may act as a receptor for wnt ligand WNT5A which
	may result in the inhibition of WNT3A-mediated signaling. ROR1 expressed strongly in human
	heart, lung and kidney, but weakly in the CNS. Its Isoform Short is strongly expressed in fetal
	and adult CNS and in a variety of human cancers, including those originating from CNS or PNS
	neuroectoderm.
	Synonym: Neurotrophic tyrosine kinase receptor-related 1, receptor tyrosine kinase-like orphan
	receptor 1, ROR1,tyrosine-protein kinase transmembrane receptor ROR1, Epithelial cell
	adhesion molecule, Tumor-associated calcium signal transducer 1,TROP1,CD326,EGP,EGP-
	2,Egp314,Ep-CAM,EpCAM1,GA733-2,gp40,Ly74,Tacsd1,Tacstd1
Molecular Weight:	54.8 kDa
UniProt:	Q99JW5
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Buffer:	
Buffer: Storage:	4 °C,-20 °C,-80 °C
	4 °C,-20 °C,-80 °C  Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.



## **Western Blotting**

Image 1.