EpCAM/TROP-1 Polyclonal Antibody(Capture/Detector)

catalog number: AN004000P

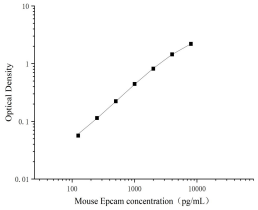
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

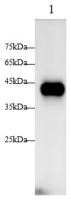
Reactivity	Mouse;Human
Immunogen	Recombinant Mouse EpCAM/TROP-1 Protein expressed by Mammalian
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

Applications	Recommended Dilution
ELISA Capture	2-8 μg/mL
ELISA Detector	0.1-0.4 μg/mL
WB	1:1000-1:2000

Data



Sandwich ELISA-Recombinant Mouse EpCAM/TROP-1 Protein standard curve.Background subtracted standard curve using Anti-EpCAM/TROP-1 antibody(AN004000P) (Capture),Anti-EpCAM/TROP-1 antibody(AN004000P) (Detector).The reference range value is 125-8000pg/mL for mouse.



Western blot with Anti EpCAM/TROP-1 Polyclonal antibody at dilution of 1:1000. Lane 1: Mouse colon tissue lysate.

Observed-MW:40-45 kDa

Calculated-MW:35 kDa

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Toll-free: 1-888-852-8623
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Epithelial Cell Adhesion Molecule (EpCAM), also known as GA733-2 antigen, is a type I transmembrane glycoprotein composed of an extracellular domain with two EGF-Like repeats and a cystenin-rich region, a transmembrane domain and a cytoplasmic domain. It modulates cell adhesion and proliferation. Its overexpression has been detected in many epithelial tumours and has been associated with high stage, high grade and a worse survival in some tumour types. EpCAM has been shown to function as a calcium-independent homophilic cell adhesion molecule that does not exhibit any obvious relationship to the four known cell adhesion molecule superfamilies. However, recent insights have revealed that EpCAM participates in not only cell adhesion, but also in proliferation, migration and differentiation of cells. In addition, recent study revealed that EpCAM is the Wnt-beta-catenin signaling target gene and may be used to facilitate prognosis. It has oncogenic potential and is activated by release of its intracellular domain, which can signal into the cell nucleus by engagement of elements of the wnt pathway.

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