



Rabbit Anti-Mouse EpCAM monoclonal antibody, clone S163 (CABT-ZB756)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Mouse EpCAM
Target	EPCAM
Immunogen	Recombinant Mouse EpCAM/TROP-1/TACSTD1 Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	S163
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB756 - CABT-ZB1069 This antibody will detect EpCAM in antibody pair set. [ABPR-ZB336]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse EpCAM / TROP-1 / TACSTD1.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Epithelial Cell Adhesion Molecule (EpCAM), also known as GA733-2 antigen, is a type of transmembrane glycoprotein composed of an extracellular domain with two EGF-Like repeats and a cystein-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.
Keywords	EPCAM; epithelial cell adhesion molecule; antigen identified by monoclonal AUA1 , M4S1, MIC18, TACSTD1, tumor associated calcium signal transducer 1; 17 1A

GENE INFORMATION

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
Entrez Gene ID	17075
UniProt ID	P16422