

Canine Epithelial Cell Adhesion Molecule ELISA Kit | EPCAM elisa kit

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CATALOG #
AAA92545

REACTIVITY
Canine

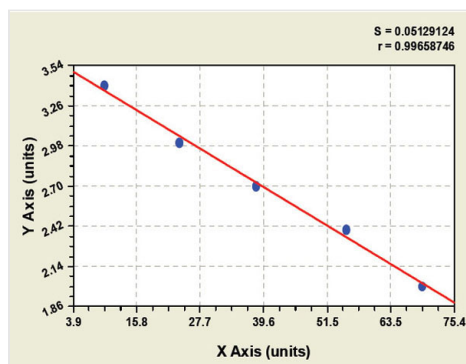
PRODUCT SYNONYMS

Epithelial Cell Adhesion Molecule; Canine Epithelial Cell Adhesion Molecule ELISA Kit; EPCAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0-100 U/mL
Sensitivity	1.0u/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPCAM elisa kit

Intended Uses: This EPCAM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine EPCAM. This ELISA kit for research use only!

Principle of the Assay: EPCAM ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-EPCAM antibody and an EPCAM-HRP conjugate. The assay sample and buffer are incubated together with EPCAM-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the EPCAM concentration since EPCAM from samples and EPCAM-HRP conjugate compete for the anti-EPCAM antibody binding site. Since the number of sites is limited, as more sites are occupied by EPCAM from the sample, fewer sites are left to bind EPCAM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EPCAM concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15928632
NCBI GeneID	4072
Molecular Weight	34,932 Da
NCBI Official Full Name	Epithelial cell adhesion molecule
NCBI Official Synonym Full Names	epithelial cell adhesion molecule
NCBI Official Symbol	EPCAM
NCBI Official Synonym Symbols	ESA; KSA; M4S1; MK-1; DIAR5; EGP-2; EGP40; KS1/4; MIC18; TROP1; EGP314; HNPCC8; TACSTD1
NCBI Protein Information	epithelial cell adhesion molecule; epithelial glycoprotein 314; human epithelial glycoprotein-2; cell surface glycoprotein Trop-1; adenocarcinoma-associated antigen; tumor-associated calcium signal transducer 1; major gastrointestinal tumor-associated protein GA733-2; membrane component, chromosome 4, surface marker (35kD glycoprotein)
UniProt Protein Name	Epithelial cell adhesion molecule
UniProt Gene Name	EPCAM
UniProt Synonym Gene Names	GA733-2; M1S2; M4S1; MIC18; TACSTD1; TROP1; Ep-CAM; EGP; EGP314; hEGP314
UniProt Entry Name	EPCAM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/epcam-canine-elisa-kits/epithelial-cell-adhesion-molecule/92545>