

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human HepaCAM in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human HepaCAM Val34-Tyr242 Accession # Q14CZ8
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Hepatocyte Cell Adhesion Molecule (HepaCAM) is a 416 amino acid type I transmembrane glycoprotein that belongs to the immunoglobulin superfamily. HepaCAM forms cis-homodimers on the cell surface and may be involved in modulating cell-matrix interactions, likely by promoting cell spreading and motility. Human HepaCAM runs as a 48-72 kDa protein depending on glycosylation. It contains a 206 amino acid extracellular domain and a 152 amino acid cytoplasmic domain. Over the extracellular region used as immunogen (aa 34-242), human HepaCAM is 99% and 98% identical to mouse and canine HepaCAM proteins, respectively.

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