

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human HepaCAM in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 419305
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human HepaCAM Val34-Tyr242 Accession # Q14CZ8
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

HepaCAM (hepatocyte cell adhesion molecule) is a 50-75 kDa, type I transmembrane glycoprotein that belongs to the Ig-superfamily. It forms homodimers on the cell surface and promotes cell spreading and motility. Human HepaCAM is 382 aa in length. It contains a 206 aa extracellular domain (ECD) (aa 35-240) and a 152 aa cytoplasmic region. The ECD has two C2 Ig-like domains. There is one potential truncated isoform that shows an alternate start site at Met200. Over aa 34-242, human HepaCAM shares 99% and 98% aa sequence identity with mouse and dog HepaCAM, respectively.

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