

DESCRIPTION

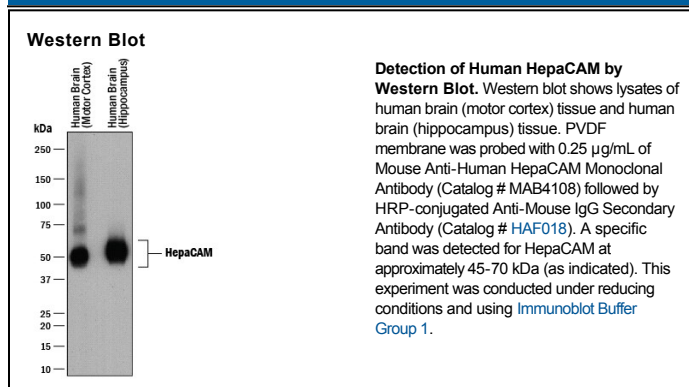
Species Reactivity	Human
Specificity	Detects human HepaCAM in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 419305
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human HepaCAM Val34-Tyr242 Accession # Q14CZ8
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	0.25 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.