

## DESCRIPTION

<b>Species Reactivity</b>	Rat
<b>Specificity</b>	Detects rat VAP-B in direct ELISAs and Western blots. In direct ELISAs, 100% cross-reactivity with recombinant human (rh) VAP-B and approximately 50% cross-reactivity with rhVAP-A is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 699811
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant rat VAP-B Ala2-Pro132 Accession # Q9Z269
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	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.

<b>Western Blot</b>	Optimal dilution of this antibody should be experimentally determined.
<b>Immunohistochemistry</b>	Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

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

## BACKGROUND

Vesicle-associated membrane protein (VAMP)-associated protein B (VAP-B; also VAMP-B) is an ~30 kDa ubiquitously expressed type IV transmembrane protein belonging to the VAP family. It is found in endoplasmic reticulum (ER), Golgi and other membranes as a homodimer or a heterodimer with VAP-A, probably associating through the transmembrane regions. Human VAP-B cDNA encodes a 222 amino acids (aa) cytoplasmic domain and a 21 aa C-terminal membrane anchor. Rat VAP-B shares 89% and 96% aa identity with mouse and human VAP-B, respectively. A soluble form can function as a ligand for EPH receptors. A human polymorphism of VAP-B, P56S, is found in three familial motor neuron diseases, notably the amyotrophic lateral sclerosis variant ALS8.

## PRODUCT SPECIFIC NOTICES

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