

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TEM8/ANTXR1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 371113
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human TEM8/ANTXR1 isoform 1 Gln28-Gly320 Accession # Q9H6X2
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

Tumor Endothelial Marker 8 (TEM8), also called ATR1 and ANTXR1, is a glycoprotein of the anthrax toxin receptor family that is expressed by endothelial cells. Type I transmembrane isoforms of 564 aa (80-85 kDa) and 368 aa (60 kDa) and potentially secreted isoforms of 330 aa and 297 aa (45 kDa) are differentially expressed. All diverge at the C-terminal end but share the N-terminal vWFA domain that binds the anthrax toxin PA subunit as well as collagens I and IV. Human TEM8 shares 99% aa identity with mouse and rat and 92% identity with dog and chick TEM8 within the extracellular domain.

PRODUCT SPECIFIC NOTICES

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