

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PAMR1 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human PAMR1 Leu22-Lys737 Accession # NP_056245
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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

PAMR1 (Peptidase domain associated with muscle regeneration 1; also RAMP/ regeneration-associated muscle protease homolog) is a secreted, 80 kDa (predicted) member of the peptidase S1 family of enzymes. It is expressed by skeletal muscle, and appears to mediate skeletal muscle regeneration. Due to the lack of a catalytic serine at amino acid (aa) 672, PAMR1 demonstrates no enzyme activity. Mature PAMR1 is 716 aa in length (aa 22-737). It contains a Cys-rich segment (aa 42-94), one CUB domain (aa 128-234), an EGF-like region (aa 235-272), two SUSHI domains (aa 278-444) and a nonfunctional peptidase S1 domain (aa 445-737). There is one 17 aa deletion after Glu276. Over aa 21-737, human PAMR1 shares 88% aa identity with mouse PAMR1.

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