

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse PRAT4A in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant mouse PRAT4B is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse PRAT4A isoform 1 Glu38-Leu276 Accession # Q9DAU1
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.
Immunohistochemistry	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

PRAT4A (Protein associated with TLR4-A) is a ubiquitously expressed, 40 kDa protein that participates in Toll receptor expression. Mouse PRAT4A is 276 amino acids (aa) in length. It contains a putative signal sequence of 37 aa, followed by a 239 aa mature region. Although the presence of a signal sequence suggests it is secreted, its best known activity involves an intracellular association with TLR4. PRAT4A appears to facilitate the maturation and expression of TLR4 on the cell surface. Studies suggest this involves the C-terminal 60 amino acids. Mature mouse PRAT4A shares 90% and 96% aa identity with human and rat PRAT4A, respectively.

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