Mouse/Rat PRAT4B Alexa Fluor® 647-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5015R
100 µg

DESCRIPTION

Species Reactivity	Mouse/Rat
Specificity	Detects mouse and rat PRAT4B in Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human PRAT4B and recombinant mouse PRAT4A is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derive recombinant mouse PRAT4B Thr30-Leu245 Accession # Q8BQ47
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.*

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	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

PRAT4B (protein associated with TLR4-B; also Cnpy4, protein canopy homolog 4) is a member of the canopy family of proteins. It is expressed by diverse cell types, including macrophages, fibroblasts and B cells. PRAT4B appears to be both secreted, and retained internally, where it may stabilize immature TLR protein expression in the ER, and impact its appearance on the cell surface. Mouse PRAT4B is 245 amino acids (aa) in length. It contains a 27 aa signal sequence plus one coiled-coil region (aa 209 - 237). There is one potential splice variant that shows a 13 aa substitution for the C-terminal nine amino acids. Over aa 30 - 245, mouse PRAT4B is 95% and 87% aa identical to rat and human PRAT4B, respectively.

PRODUCT SPECIFIC NOTICES

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