

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse TRIM5 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human TRIM5 is observed.                                                                                                                           |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                                                                                         |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant mouse TRIM5<br>Ala2-Gln249<br>Accession # AAH38937                                                                                                                                                                                      |
| <b>Conjugate</b>          | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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

TRIM5 belongs to the large family of TRIM proteins, which are also named RBCC proteins. These proteins contain a RING domain, one or two B-boxes (CHC3H2 zinc finger motifs), and the coiled-coil domain. Different TRIM proteins contain C-terminals that vary in length and composition. They also have different functions and cellular localization. TRIM5 possesses a B30.2 (also known as RFP-like or PRY-SPRY) C-terminal domain and exists as homotrimers. TRIM5 is a single protein RING finger E3 ubiquitin ligase and has been shown to have antiretroviral activities. Mouse TRIM5 shares 49% and 81% amino acid sequence homology with human and rat TRIM5, respectively.

#### PRODUCT SPECIFIC NOTICES

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