

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse TRIM5 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human TRIM5 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse TRIM5 Ala2-Gln249 Accession # AAH38937
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse TRIM5

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.