

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TRIM38 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 933011
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human TRIM38 Leu190-Ile414 Accession # O00635
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.

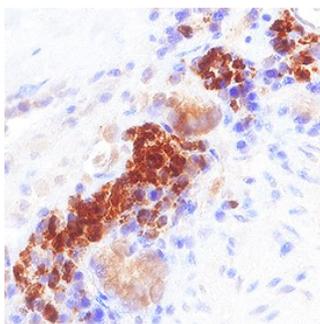
APPLICATIONS

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
Immunohistochemistry	5-25 µg/mL	See Below

DATA

Immunohistochemistry



TRIM38 in Human Lymph Node. TRIM38 was detected in immersion fixed paraffin-embedded sections of human lymph node in small intestine using Mouse Anti-Human TRIM38 Monoclonal Antibody (Catalog # MAB9104) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in lymphocytes. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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

Human Tripartite Motif 38 (TRIM38, RNF15) is a 465 aminoacids E3 ubiquitin ligase that plays a key role in tuning TLR-mediated immune responses by selectively targeting molecules in the TLR signaling for proteasomal degradation. The TRIM family of E3 ligases has more than 70 members in humans. Many members of this protein family are important immune regulators, mediating innate immune cell signal transduction and subsequent cytokine induction immune regulation. Trim38 deficiency, for example, greatly increases TLR3- and TLR4-mediated induction of type I Interferons and proinflammatory cytokines, such as TNF-α, IL-1β, and IL-6, in immune cells and in vivo.