

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
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

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

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.

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