

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MAP3K8/Tpl2/COT in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 634130
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human MAP3K8/Tpl2/COT Gln173-Gln395 Accession # P41279
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.

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

MAP3K8, also called Tpl2 (tumor progression locus 2) or COT (Cancer Osaka Thyroid oncogene) is a cytosolic Ser/Thr kinase. MAP3K8 is one of the MAP kinase kinase (MAPKK) kinases that regulates the ERK1/ERK2 pathway in response to IL-1, facilitating IL-8 and MIP-1 β production. MAP3K8 activates I κ B kinases and induces the nuclear production of NF- κ B. Human MAP3K8 shares 97% and 98% amino acid (aa) identity with mouse and rat MAP3K8, respectively, within the region used as an immunogen. Alternative start sites can give a 58 kDa (467 aa) isoform with stronger activity but shorter half-life than a 52 kDa (397 aa) isoform.

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