

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Mxi1 in direct ELISAs. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) MAD1, rhMAD3, and rhMAD4 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Mxi1 Ala81-Ser228 Accession # P50539
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.

Immunocytochemistry 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

Mxi-1 (Max interactor 1) is a 26 kDa member of the bHLH-leucine zipper family, Myc superfamily of transcription factors. It is a widely expressed transcriptional repressor that heterodimerizes with Max and blocks Max-Myc gene activation. Human Mxi-1 is 228 amino acids (aa) in length. It contains a DNA binding motif (aa 69-80) and a bHLH domain (aa 81-120). Multiple splice variants of Mxi-1 appear to exist. They may incorporate an alternate start site at Met37, a 92 aa substitution for the first 26 N-terminal amino acids, or a deletion of the C-terminal 59 or 74 amino acids. Over aa 81-228, human Mxi-1 is 95% aa identical to mouse Mxi-1.

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