

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Methionine Aminopeptidase 1/METAP1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human Methionine Aminopeptidase 2 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 405419
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Methionine Aminopeptidase 1/METAP1 His52-Phe386 Accession # P53582
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

The human METAP1 gene encodes Methionine Aminopeptidase 1, a member of the M24 family of metalloproteases. METAPs catalyze the removal of the initiator methionine residue from nascent peptides (1) and are essential for cell growth (2). Inhibition of METAPs provides a novel strategy in developing anti-cancer drugs (3). The amino acid sequence of human METAP1 is 99%, 98%, 95% and 64% identical to that of chimpanzee, rat/mouse, chicken and fruit fly.

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