

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | 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.                                                                |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2B</sub> Clone # 405419                                                                                                                                                                                                                           |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | <i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Methionine Aminopeptidase 1/METAP1<br>His52-Phe386<br>Accession # P53582                                                                                                                      |
| <b>Conjugate</b>          | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

#### PRODUCT SPECIFIC NOTICES

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