

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Aminopeptidase PILS/ARTS1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 10% cross-reactivity with recombinant human Aminopeptidase PILS/ARTS is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 325908
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Aminopeptidase PILS/ARTS1 Ser27-Leu930 Accession # NP_109636
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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 mouse ARTS1 gene encodes aminopeptidase PILS (Puromycin-Insensitive Leucyl-Specific), which is also known as adipocyte-derived leucine aminopeptidase, type 1 tumor necrosis factor receptor shedding aminopeptidase regulator and ERAAP (the aminopeptidase associated with antigen processing in the endoplasmic reticulum) (1-3). The deduced amino acid sequence of mouse ARTS1 consists of a signal peptide and a large ectodomain. Widely expressed and releasing an N-terminal amino acid (Leu), the enzyme may play a role in many processes such as antigen processing and angiogenesis.

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