Human Aminopeptidase PILS/ARTS1 Antibody

Monoclonal Rat IgG_{2A} Clone # 325813

Catalog Number: MAB23341

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Aminopeptidase PILS/ARTS1 in direct ELISAs.
Source	Monoclonal Rat IgG_{2A} Clone # 325813
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Aminopeptidase PILS/ARTS1 Thr25-Ile929 Accession # Q9NZ08
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

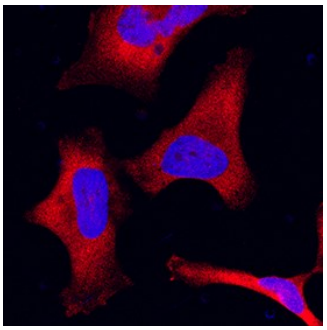
APPLICATIONS

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.*

	Recommended Concentration	Sample
Immunocytochemistry	8-25 µg/mL	See Below

DATA

Immunocytochemistry



Aminopeptidase PILS/ARTS1 in HeLa Human Cell Line.
Aminopeptidase PILS/ARTS1 was detected in immersion fixed HeLa human cervical epithelial carcinoma cell line using Rat Anti-Human Aminopeptidase PILS/ARTS1 Monoclonal Antibody (Catalog # MAB23341) at 8 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Rat IgG Secondary Antibody (red; Catalog # NL013) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Aminopeptidase PILS/ARTS1 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). ARTS1 is widely expressed and releases an N-terminal amino acid (Leu). The amino acid sequence of mouse ARTS1 is 94%, 84%, 80 and 70% identical to that of rat, human, canine, and chicken.

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