

# ARTS-1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ARTS-1.

Catalog # AT1203a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9NZ08</a>
<b>Other Accession</b>	<a href="#">BC030775</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 Kappa
<b>Clone Names</b>	4H8
<b>Calculated MW</b>	107235

## Additional Information

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<b>Gene ID</b>	51752
<b>Other Names</b>	Endoplasmic reticulum aminopeptidase 1, 3411-, ARTS-1, Adipocyte-derived leucine aminopeptidase, A-LAP, Aminopeptidase PILS, Puromycin-insensitive leucyl-specific aminopeptidase, PILS-AP, Type 1 tumor necrosis factor receptor shedding aminopeptidase regulator, ERAP1, APPILS, ARTS1, KIAA0525
<b>Target/Specificity</b>	ARTS-1 (AAH30775, 832 a.a. ~ 941 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	ARTS-1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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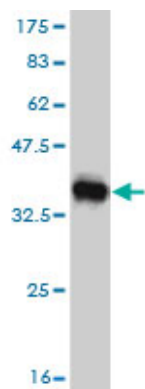
Aminopeptidases play a role in the metabolism of several peptides that may be involved in blood pressure and the pathogenesis of essential hypertension (MIM 145500). Adipocyte-derived leucine aminopeptidase (ALAP) is a member of the M1 family of zinc metallopeptidases.

## References

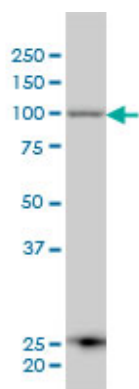
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Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Serum cytokine receptors in ankylosing spondylitis: relationship to inflammatory markers and endoplasmic reticulum aminopeptidase polymorphisms. Haroon N, et al. J Rheumatol, 2010 Sep. PMID 20595269. Placental leucine aminopeptidase efficiently generates mature antigenic peptides in vitro but in patterns distinct from endoplasmic reticulum aminopeptidase 1. Georgiadou D, et al. J Immunol, 2010 Aug 1. PMID 20592285. Distinct molecular mechanisms leading to deficient expression of ER-resident aminopeptidases in melanoma. Kamphausen E, et al. Cancer Immunol Immunother, 2010 Aug. PMID 20419298. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

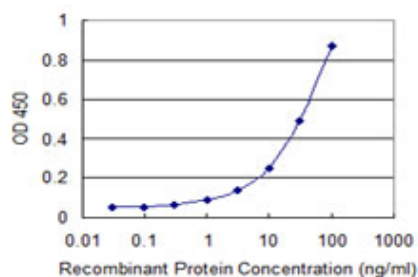
## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .



ARTS-1 monoclonal antibody (M01), clone 4H8 Western Blot analysis of ARTS-1 expression in A-431 (Cat # AT1203a )



Detection limit for recombinant GST tagged ERAP1 is 0.3 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.