

## ARG22694 anti-Pepsinogen I antibody [8003 (99/12)]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [8003 (99/12)] recognizes Pepsinogen I This antibody recognizes Human Pepsinogen I, a zymogen or proenzyme secreted by chief cells in the stomach. It is cleaved to form pepsin both in an autocatalytic fashion and by pepsin itself. In Humans there are two related forms of pepsin, Pepsinogen I (also known as pepsinogen A), and Pepsinogen II (also known as Pepsinogen B or progastricsin).
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, RIA
Host	Mouse
Clonality	Monoclonal
Clone	8003 (99/12)
Isotype	IgG1
Target Name	Pepsinogen I
Species	Human
Immunogen	Purified human Pepsinogen I.
Conjugation	Un-conjugated
Alternate Names	EC 3.4.23.1; Pepsinogen-3; Pepsin A-3

### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	IHC-P	Assay-dependent
	RIA	Assay-dependent
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol	PGA3
Gene Full Name	pepsinogen 3, group I (pepsinogen A)
Background	This gene encodes a protein precursor of the digestive enzyme pepsin, a member of the peptidase A1 family of endopeptidases. The encoded precursor is secreted by gastric chief cells and undergoes autocatalytic cleavage in acidic conditions to form the active enzyme, which functions in the digestion of dietary proteins. This gene is found in a cluster of related genes on chromosome 11, each of which encodes one of multiple pepsinogens. Pepsinogen levels in serum may serve as a biomarker for atrophic gastritis and gastric cancer. [provided by RefSeq, Jul 2015]
Function	Shows particularly broad specificity; although bonds involving phenylalanine and leucine are preferred, many others are also cleaved to some extent. [UniProt]
Calculated Mw	42 kDa