

ARG56062 anti-MUC6 / Gastric Mucin antibody [CLH5]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CLH5] recognizes MUC6 / Gastric Mucin
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	CLH5
Isotype	IgG1, kappa
Target Name	MUC6 / Gastric Mucin
Species	Human
Immunogen	Synthetic peptide of the gastric Mucin 6 tandem repeat sequence.
Conjugation	Un-conjugated
Alternate Names	Mucin-6; Gastric mucin-6; MUC-6

Application Instructions

Application table	Application	Dilution
	FACS	0.5 - 1 µg/10 ⁶ cells in 0.1ml
	ICC/IF	1 - 2 µg/ml
	IHC-P	2 - 4 µg/ml

Application Note Antigen retrieval for IHC-P: Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.

* 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 G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 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

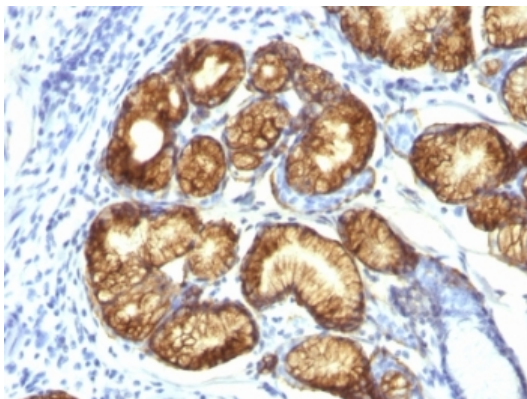
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

Bioinformation

Database links	GeneID: 4588 Human Swiss-port # Q6W4X9 Human
Gene Symbol	MUC6
Gene Full Name	mucin 6, oligomeric mucus/gel-forming
Background	The MUC6 gene encodes gastric mucin, a secreted glycoprotein that plays an essential role in epithelial cytoprotection from acid, proteases, pathogenic microorganisms, and mechanical trauma in the gastrointestinal tract (summary by Toribara et al., 1993 [PubMed 7680650]).[supplied by OMIM, Dec 2010]
Function	May provide a mechanism for modulation of the composition of the protective mucus layer related to acid secretion or the presence of bacteria and noxious agents in the lumen. Plays an important role in the cytoprotection of epithelial surfaces and are used as tumor markers in a variety of cancers. May play a role in epithelial organogenesis. [UniProt]
Highlight	Related products: Anti-Mouse IgG secondary antibodies; Related news: Wnt / beta-catenin signaling for gastric fundus specification More than a biomarker, CA19-9 is a therapeutic target of pancreatic cancer
Calculated Mw	257 kDa
PTM	O-glycosylated.
Cellular Localization	Cytoplasmic and secreted

Images



ARG56062 anti-MUC6 / Gastric Mucin antibody [CLH5] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded Human gastric carcinoma stained with ARG56062 anti-MUC6 / Gastric Mucin antibody [CLH5].