ARG44119
anti-MGAM antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes MGAM
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MGAM
Species	Human
Immunogen	Human MGAM recombinant protein (Position: Y131-I2697).
Conjugation	Un-conjugated
Alternate Names	MGAM; Maltase-Glucoamylase; MGA; Alpha-1,4-Glucosidase; EC 3.2.1.20; Maltase-Glucoamylase (Alpha-Glucosidase); Maltase-Glucoamylase, Intestinal; Brush Border Hydrolase; Alpha-Glucosidase; MGAML; MG

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

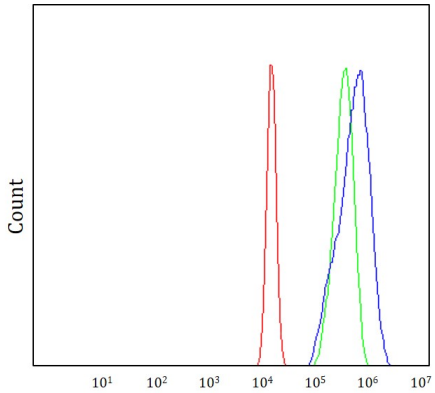
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. 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

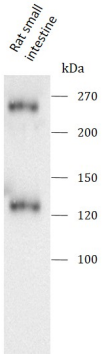
Gene Symbol	MGAM
Gene Full Name	Maltase-Glucoamylase
Background	This gene encodes maltase-glucoamylase, which is a brush border membrane enzyme that plays a role in the final steps of digestion of starch. The protein has two catalytic sites identical to those of sucrase-isomaltase, but the proteins are only 59% homologous. Both are members of glycosyl hydrolase family 31, which has a variety of substrate specificities.
Function	Alpha-(1,4) exo-glucosidase involved in breakdown of dietary starch oligosaccharides in small intestine. Cleaves the non-reducing alpha-(1,4)-linked glucose residue in linear dextrins with retention of anomeric center stereochemistry.
Calculated Mw	312 kDa
PTM	Disulfide bond, Glycoprotein, Sulfation
Cellular Localization	Cell membrane, Membrane

Images



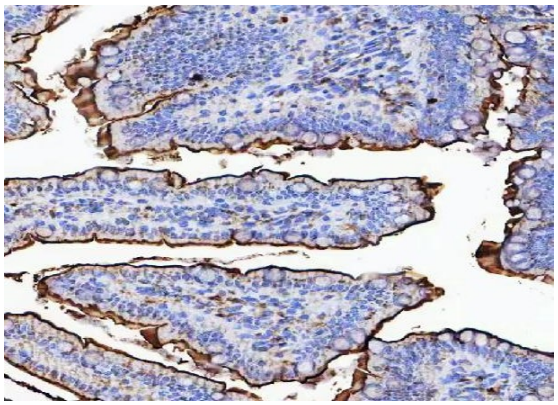
ARG44119 anti-MGAM antibody FACS image

Flow Cytometry: U20S stained with ARG44119 anti-MGAM antibody at 1 µg/10^6 cells dilution.



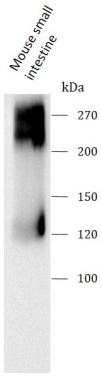
ARG44119 anti-MGAM antibody WB image

Western blot: Rat small intestine stained with ARG44119 anti-MGAM antibody at 0.5 µg/ml dilution.



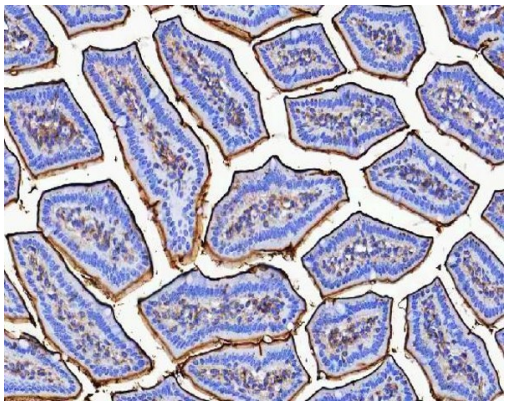
ARG44119 anti-MGAM antibody IHC-P image

Immunohistochemistry: Rat colon stained with ARG44119 anti-MGAM antibody at 2 µg/ml dilution.



ARG44119 anti-MGAM antibody WB image

Western blot: Mouse small intestine stained with ARG44119 anti-MGAM antibody at 0.5 µg/ml dilution.



ARG44119 anti-MGAM antibody IHC-P image

Immunohistochemistry: Mouse colon stained with ARG44119 anti-MGAM antibody at 2 µg/ml dilution.