Mouse anti-Human SIAE Monoclonal Antibody | anti-SIAE antibody

Anti-SIAE Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255666	**Mouse**	**Human**	**Immunohistochemistry**

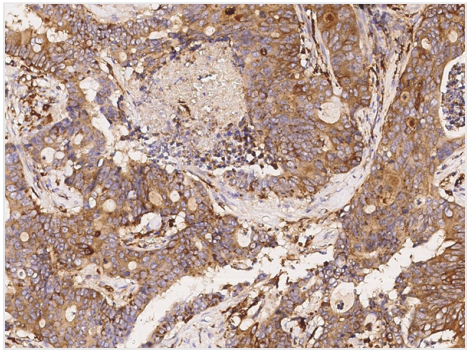
PRODUCT SYNONYMS

SIAE; Monoclonal Antibody; Anti-SIAE Antibody; Mouse Monoclonal; SIAE/sialate O-acetylesterase Antibody; Mouse MAb; sialic acid acetylesterase; Anti-AIS6 Antibody; Anti-CSE-C Antibody; Anti-CSEC Antibody; Anti-LSE Antibody; Anti-YSG2 Antibody; anti-SIAE antibody

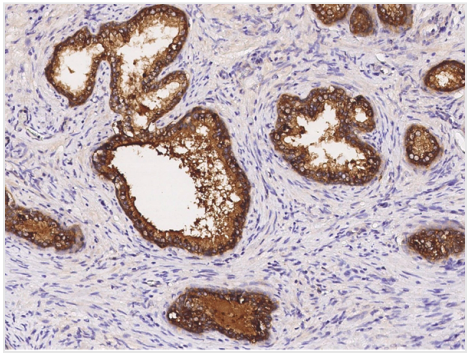
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	03
Specificity	Human SIAE/sialate O-acetylesterase
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SIAE antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human SIAE/sialate O-acetylesterase Protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human SIAE/sialate O-acetylesterase (rh SIAE/sialate O-acetylesterase). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunochemical staining of human SIAE in human colon carcinoma with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of human SIAE in human prostate with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-SIAE antibody	Sialate O-acetylesterase belongs to the family of hydrolases, specifically those acting on carboxylic ester bonds. It is widely expressed with high expression in the testis, prostate, and colon. The systematic name of this enzyme class is N-acyl-O-acetylneuraminate O-acetylhydrolase. Other names in common use include N-acetylneuraminate acetyltransferase, sialate 9(4)-O-acetylesterase, and sialidase. Sialate O-acetylesterase catalyzes the removal of O-acetyl ester groups from position 9 of the parent sialic acid, N-acetylneuraminic acid. Defects in Sialate O-acetylesterase are a cause of autoimmune disease type 6 (AIS6). Individuals manifesting susceptibility to autoimmune disease type 6 can suffer from juvenile idiopathic arthritis, rheumatoid arthritis, multiple sclerosis, Sjogren syndrome, systemic lupus erythematosus, type 1 diabetes, ulcerative colitis, and Crohn disease.
References	Mandal C, et al. (2012) Regulation of O-acetylation of sialic acids by sialate-O-acetyltransferase and sialate-O-acetylesterase activities in childhood acute lymphoblastic leukemia. Glycobiology. 22(1): 70-83.Tsai S, et al. (2011) Transcriptional profiling of human placentas from pregnancies complicated by preeclampsia reveals disregulation of sialic acid acetylesterase and immune signalling pathways. Placenta. 32 (2): 175-82.Surolia I, et al. (2010) Functionally defective germline variants of sialic acid acetylesterase in autoimmunity. Nature. 466 (7303): 243-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	321267600
NCBI GeneID	54414
NCBI Accession #	NP_001186851.1
NCBI GenBank Nucleotide #	NM_001199922.1
UniProt Accession #	Q9HAT2; Q8IUT9; Q9HAU7; Q9NT71; B3KPB0
Molecular Weight	54,572 Da
NCBI Official Full Name	sialate O-acetylesterase isoform 2
NCBI Official Synonym Full Names	sialic acid acetylesterase
NCBI Official Symbol	SIAE
NCBI Official Synonym Symbols	LSE; AIS6; CSEC; YSG2; CSE-C
NCBI Protein Information	sialate O-acetylesterase
UniProt Protein Name	Sialate O-acetylesterase
UniProt Gene Name	**SIAE**
UniProt Synonym Gene Names	YSG2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/siae-antibody-clone-03-immunohistochemistry-elisa/255666