

Mouse ASGPR Monoclonal Antibody | anti-ASGPR antibody

ASGPR, Rat, mAb 8D7, FITC

CATALOG # AAA77771	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

ASGPR; Monoclonal Antibody; Rat; mAb 8D7; FITC; ASGPR 1; ASGP-R 1; Hepatic lectin 1; MHL-1; anti-ASGPR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Purity/Purification	Protein G
Form/Format	0.2 um filtered in PBS +1% BSA +0.02% NaN3
Concentration	100 ug/mL (varies by lot)
Applicable Applications for anti-ASGPR antibody	WB (Western Blot), IF (Immunofluorescence), IA (Immunoassay), FCM/FACS (Flow Cytometry)
Conjugate	FITC
Immunogen	Crude rat liver membrane extracts
Cross Reactivity	Human: Yes
Preparation and Storage	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.

IMAGES



FCM/FACS (Flow Cytometry)

Detection of ASGPR in HepG2 cells. red, black and blue line represent the isotope control, cells only and AAA77771 with a concentration of 10 ug/ml, respectively.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-ASGPR antibody	Product Description: The asialoglycoprotein (ASGP) receptor is a transmembrane hepatocellular surface carbohydrate binding glycoproteins lacking terminal sialic acid residues (asialoglycoproteins). Characterization of the ASGP receptor- revealed its functional role in the binding, internalization and transport of a wide range of glycoproteins, which have exposed galactose or N-acetylgalactosamine residues, via the process of receptor-mediated endocytosis (RME). The ASGP receptor can bind a variety of important plasma proteins including transport proteins (i.e. transferrin), enzymes such as alkaline phosphatase, immunoglobulins including IgA, apoptotic hepatocytes, fibronectin and platelets. Additionally, the expression of the ASGP receptor has been clinically correlated to the level of hepatic function that is lost during liver diseases related to cancer, viral hepatitis, and cirrhosis. The ASGP receptor consists of major and minor subunits, which in the rat were identified as rat hepatic lectin (RHL) 1 and RHL 2/3, with molecular weights of respectively 42, 49 and 54 kDa. The selective binding (calcium and pH depended) and uptake of terminal galactosyl bearing proteins requires the formation of hetero-oligomers between these major and minor forms The total ASGP receptor population consisted of two functionally distinct receptor populations, designated State 1 and State 2, which were involved in the endocytosis and intracellular processing of ligands by different pathways. The monoclonal antibody 8D7 recognizes a subunit-specific epitope on RHL-1 of rat ASGPR. The monoclonal antibody 8D7 is cross reactive with human ASGPR.
References	1. Mizuno, M et al: Development of a monoclonal antibody identifying an antigen which- is segregated to the sinusoidal and lateral plasma membranes of rat hepatocytes. Gastroenterol Japan 1986, 21: 238 2. Mizuno, M et al;- Monoclonal antibodies identifying antigens on distinct domains of rat hepatocytes. Liver 1987, 7: 251 3. Hyodo, I et al;- Distribution of asialoglycoprotein receptor in human hepatocellular carcinoma. Liver 1993, 13: 80 4. Shimada, M et al; A monoclonal antibody to rat asialoglycoprotein receptor that recognizes an epitope specific to its major subunit. Hepatol Res 2003, 26: 55 5. Hirai, M et al. Development of syngeneic monoclonal anti-idiotypic antibodies to mouse monoclonal anti-asialoglycoprotein receptor- antibody. Acta med okayama 2002 56: 135 6. Keyel, P et al. A single common portal for clathrin-mediated endocytosis of distinct cargo governed by cargo-selective adaptors. Mol boil Cell 2006 17:4300 7. Zhou, X et al. Effects of hepatitis B virus S protein on human sperm function. Hum Reprod 2009 1: 1

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/asgpr-antibody-western-blot-immunofluorescence-immunoassay-flow-cytometry-elisa/77771>