

## Datasheet

### Asgr1 monoclonal antibody, clone 8D7

**Catalog Number:** MAB5646

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against native Asgr1.

**Clone Name:** 8D7

**Immunogen:** Native purified rat liver membrane extracts Asgr1.

**Host:** Mouse

**Reactivity:** Human, Rat

**Applications:** ELISA, Flow Cyt, IHC-Fr, WB  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** The asialoglycoprotein receptor (ASGPR) is a transmembrane glycoprotein (42 KDa) which mediates binding, internalisation and degradation of extracellular glycoproteins that have exposed terminal galactose residues. The receptor is expressed on the surface of the hepatocytes in a polar manner, i.e. it is present on the sinusoidal and lateral plasma membranes but not on the bile canalicular membrane. The mammalian hepatic ASGPR mediates the endocytosis and degradation of serum proteins from which terminal sialic residues have been removed. The rat asialoglycoprotein receptor (ASGPR) consists of three polypeptide subunits: rat hepatic lectin (RHL)-1, RHL-2 and RHL-3. 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.

**Form:** Liquid

**Isotype:** IgG1

**Recommend Usage:** Recommend dilution at 1:10

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.1% BSA, 0.02% sodium azide)

**Storage Instruction:** Store at 4°C.

**Entrez GeneID:** 24210

**Gene Symbol:** Asgr1

**Gene Alias:** ASGR, MGC108731, RATRHL1, RHL1

#### References:

1. A monoclonal antibody to rat asialoglycoprotein receptor that recognizes an epitope specific to its major subunit. Shimada M, Mizuno M, Uesu T, Nasu J, Okada H, Shimomura H, Yamamoto K, Tsuji T, Shiratori Y. Hepatol Res. 2003 May;26(1):55-60.
2. Distribution of asialoglycoprotein receptor in human hepatocellular carcinoma. Hyodo I, Mizuno M, Yamada G, Tsuji T. Liver. 1993 Apr;13(2):80-5.
3. Monoclonal antibodies identifying antigens on distinct domains of rat hepatocytes. Mizuno M, Yamada G, Sugiyama T, Vierling JM, Brown WR. Liver. 1987 Oct;7(5):251-9.