

Anti-ASGR1 Reference Antibody (Silverback patent anti-ASGR1)

Catalog # APR11317

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P07306
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	33186

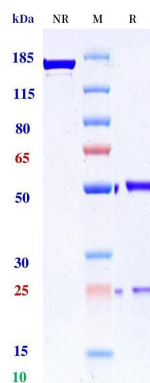
Additional Information

Target/Specificity	ASGR1
Expression system	CHO

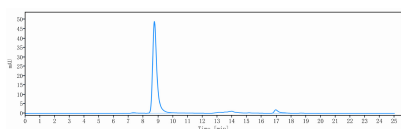
Protein Information

Name	ASGR1
Synonyms	CLEC4H1
Function	Transmembrane protein predominantly expressed on hepatocytes that plays a key role in endocytosis of plasma glycoproteins that lack terminal sialic acid residues. Specifically recognizes terminal galactose and N-acetylgalactosamine residues, facilitating the clearance of desialylated glycoproteins from circulation. Plays thereby a role in a variety of physiological processes, such as removal of desialylated platelets, elimination of activated lymphocytes and maintenance of serum glycoprotein homeostasis (PubMed:25485912). Plays a role in the removal of desialylated platelets by activating a feedback loop regulating thrombopoietin (TPO) expression via the JAK2- STAT3 signaling pathway (PubMed:25485912). Contributes also to recognition and elimination of activated lymphocytes by hepatocytes that can act as cytotoxic effectors (PubMed:21656538). May also play a physiological role in the regulatory network of lipid homeostasis (By similarity). Upon ligand binding, the receptor-ligand complex is internalized and trafficked to a sorting organelle, where dissociation occurs. The receptor is then recycled back to the cell surface.
Cellular Location	[Isoform H1a]: Cell membrane; Single-pass type II membrane protein
Tissue Location	Expressed exclusively in hepatic parenchymal cells.

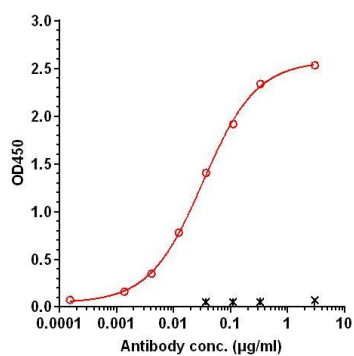
Images



Anti-ASGR1 Reference Antibody (Silverback patent anti-ASGR1) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-ASGR1 Reference Antibody (Silverback patent anti-ASGR1) is 95.59%, determined by SEC-HPLC.



Immobilized huASGR1-CBD-His at 2 $\mu\text{g/mL}$ can bind Silverback patent anti-ASGR1, $\text{EC}_{50} = 0.03276 \mu\text{g/mL}$.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.