

Anti-ASGR1 mIgG2a Antibody(4H6)

Product information

GM-88206AB-10	10 µg
GM-88206AB-100	100 µg
GM-88206AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	4H6
Source/Isotype	Mouse IgG2a, Kappa
Application	Bioactivity-ELISA
Target	Detects ASGR1
Gene	ASGR1
Other Names	ASGP-R 1, ASGPR 1, Hepatic lectin H1, HL-1
Gene ID	432 (Human)
Background	<p>ASGR1 is a hepatocyte-expressed transmembrane glycoprotein that forms part of the ASGPR complex. It binds desialylated glycoproteins with terminal galactose or GalNAc, mediating endocytosis and clearance to maintain hepatic protein turnover. Structurally, it has a short cytoplasmic tail, a single transmembrane domain, and an extracellular lectin-like domain, working with ASGR2 for high-affinity binding.</p> <p>ASGR1 mainly drives clathrin-mediated endocytosis, routing ligands to endosomes/lysosomes. Beyond clearance, it influences signaling related to hepatic metabolism, inflammation, and receptor recycling, potentially affecting ubiquitination and recycling pathways and intersecting lipid/carbohydrate metabolism in hepatocytes. Dysregulation may impact plasma protein clearance and liver disease, making ASGPR a target for hepatic delivery and therapy.</p>
Storage	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Bioactivity-ELISA

Human ASGR1 Protein; His Tag (Catalog # GM-88294RP) was immobilized at 2 $\mu\text{g/ml}$ (100 $\mu\text{L/well}$). Increasing concentrations of Anti-ASGR1 mIgG2a Antibody(4H6) (Catalog # GM-88206AB) were added.

Bioactivity-ELISA

0.2 μg Human ASGR1 Protein; His Tag of per well

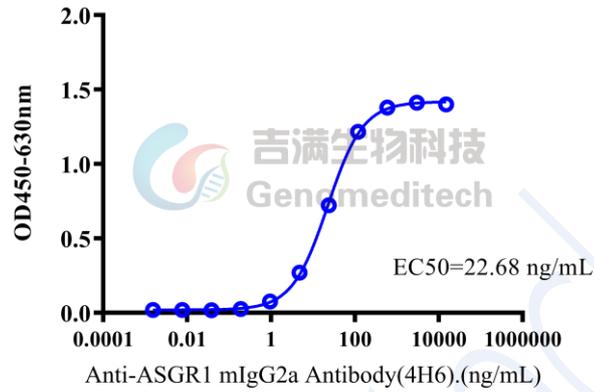


Fig. ELISA