

Anti-MUSK mIgG2a Antibody(3B2g2m1)

Product information

GM-87841AB-10	10 µg
GM-87841AB-100	100 µg
GM-87841AB-1000	1 mg

Antibody Information

Species Reactivity	Mouse, human, Cynomolgus
Clone	3B2g2m1
Source/Isotype	Monoclonal mIgG2a, κ
Application	Bioactivity-ELISA
Specificity	Detects MUSK
Gene	MUSK
Other Names	CMS9, FADS, FADS1
Gene ID	18198 (Mouse); 4593 (human); 102127677 (Cynomolgus);
Background	This gene encodes a member of the protein tyrosine kinase family. The encoded protein is a type 1 receptor-like protein located in muscle membrane that is activated by the heparan sulfate proteoglycan agrin released by nerve cells. The encoded protein activates signaling cascades responsible for multiple aspects of motor neuron and muscle development, including organization of the postsynaptic membrane, synaptic gene transcription, patterning of skeletal muscle, anchoring of acetylcholinesterase, and guidance of motor axons.
Storage	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Bioactivity-ELISA

Human MUSK Protein; hFc Tag (Catalog # GM-87721RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-MUSK mIgG2a Antibody(3B2g2m1) (Catalog # GM-87841AB) were added.

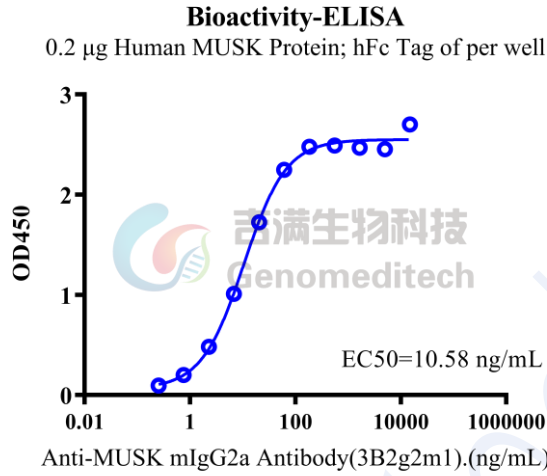


Fig. assay

Bioactivity-ELISA

Human MUSK Protein; His Tag (Catalog # GM-87719RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-MUSK mIgG2a Antibody(3B2g2m1) (Catalog # GM-87841AB) were added.

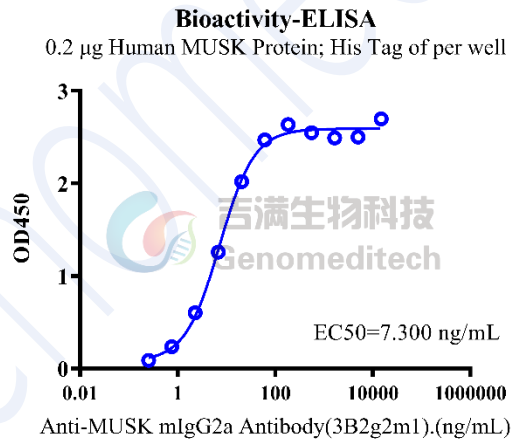


Fig. assay

Bioactivity-ELISA

Cynomolgus MUSK Protein; hFc Tag (Catalog # GM-87723RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-MUSK mIgG2a Antibody(3B2g2m1) (Catalog # GM-87841AB) were added.

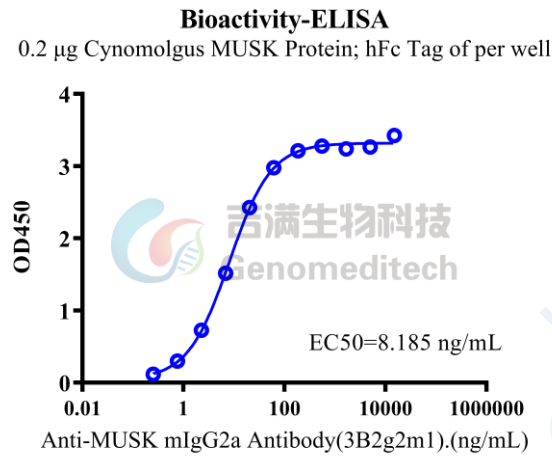


Fig. assay

Bioactivity-ELISA

Mouse MUSK Protein; hFc Tag (Catalog # GM-87725RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-MUSK mIgG2a Antibody(3B2g2m1) (Catalog # GM-87841AB) were added.

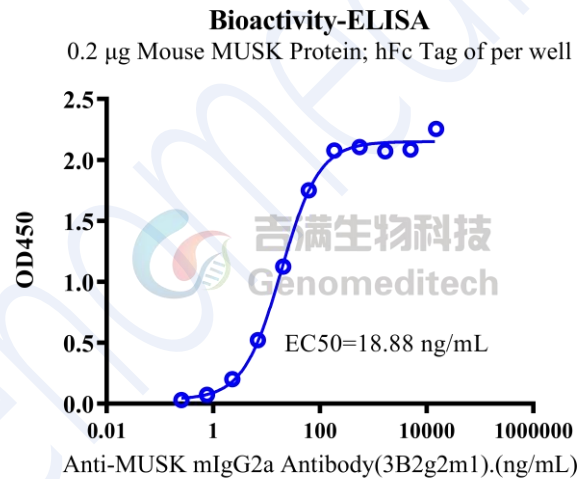


Fig. assay