
MUSK (10A4) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252887

Unit: 0.1 ml

Description:

MuSK (Muscle Specific Kinase) is a receptor tyrosine kinase required for the formation of the neuromuscular junction (NMJ). It induces cellular signaling by causing the addition of phosphate molecules to particular tyrosines on itself, and on proteins which bind the cytoplasmic domain of the receptor. It is activated by a nerve-derived proteoglycan called agrin. During development, the growing end of motor neuron axons secrete a protein called agrin. This protein binds to several receptors on the surface of skeletal muscle. The receptor which seems to be required for formation of the neuromuscular junction (NMJ), which comprises the nerve-muscle synapse is called MuSK. MUSK mutations lead to decreased agrin-dependent AchR aggregation, a critical step in the formation of the neuromuscular junction.

Isotype: Mouse IgG1

Applications: IF, IHC

Species Reactivity: H

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: Muscle, skeletal receptor tyrosine-protein kinase; Muscle-specific tyrosine-protein kinase receptor; Muscle-specific kinase receptor; MUSK

Accession No.: O15146

Antigen: Purified recombinant extracellular fragment of human MUSK (aa24-209) fused with hlgGFc tag expressed in HEK293 cell line.

Application Notes: IHC: 1:200-1:1000; IF: 1:200-1:1000;

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.