



Mouse Anti-Human MyHC Hybridoma [B5.951] (CSC-H1334)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This hybridoma produces mAbs (IgM) against human MyHC
Immunogen	Partially purified human adult skeletal muscle myosin heavy chain
Isotype	IgM
Species	Human
Clone	B5.951
Storage	Liquid nitrogen vapor phase.
	Freezing medium: to complete growth medium, add 5%(v/v) DMSO
Ship	Dry Ice
Immunological Donor	Mouse spleen
Cell Line Description	Animals were immunized with partially purified human adult skeletal muscle myosin heavy chain. Spleen cells were fused with P3X63Ag8.653 mouse myeloma cells. The antibody reacts with the adult slow isoform of human and rodent skeletal muscle myosin.
Myeloma	P3X63Ag8.653
Fusion Species	Mouse X Mouse Hybridoma
Growth Properties	Suspension

Morphology	Lymphoblast
Propagation	Complete growth medium: Dulbecco's modified Eagle's medium with 4.5 g/L glucose, 0.1 mM nonessential amino acids and 1 mM sodium pyruvate, 90%; iron supplemented bovine calf serum, 10%
Culture Medium	DMEM with 4.5 g/L glucose, 0.1 mM nonessential amino acids and 1 mM sodium pyruvate, supplemented with 10% bovine calf serum
Subculturing	Incubate cells at 37°C with 5% CO ₂ in air atmosphere, renew medium every 2-3 days, start cells at 2x10 ⁵ cells/mL and maintain cultures between 1x10 ⁵ -1x10 ⁶ cells/ml
Mycoplasma	Mycoplasma Status: Negative (MycoAlert Kit)
Cellular Products	Immunoglobulin: monoclonal antibody against adult slow myosin heavy chain (MyHC)
Preservation	Culture medium, 95%; DMSO, 5%
Safety Considerations	<p>The following safety precautions should be observed.</p> <ol style="list-style-type: none"> 1. Use pipette aids to prevent ingestion and keep aerosols down to a minimum. 2. No eating, drinking or smoking while handling the hybridoma. 3. Wash hands after handling the hybridoma and before leaving the lab. 4. Decontaminate work surface with disinfectant or 70% ethanol before and after working with hybridoma. 5. All waste should be considered hazardous. 6. Dispose of all liquid waste after each experiment and treat with bleach.