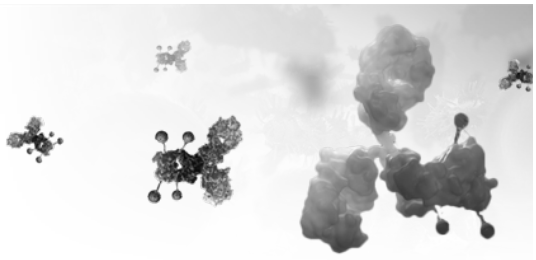

Mouse Anti-Bovine Myosin Hybridoma [CG-56] (CSC-H1441)

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

PRODUCT INFORMATION

Product Overview	This hybridoma produces mAbs (IgG1) against bovine Myosin
Target	Myosin
Immunogen	Fetal bovine muscles
Isotype	IgG1
Species	Bovine
Clone	CG-56
Storage	Liquid nitrogen vapor phase. Freezing medium: to complete growth medium(20%FBS), add 10%(v/v) DMSO
Ship	Dry Ice
Immunological Donor	BALB/c mouse spleen
Cell Line Description	Described as secreting a mouse monoclonal antibody (igg1) that reacts with rat embryonic fibers in immunofluorescence and with embryonic myosin heavy chains in Western blotting; established by fusion of NSO myeloma cells with spleen cells from a BALB/c mouse immunized with purified myosin from fetal bovine muscles confirmed as mouse with IEF of NP, PEP B and by species PCR. Cytogenetics: murine flat-moded hypertetraploid karyotype with 5% polyploidy 78-93<4n> 1-2 dmin present in most cells. Viruses: ELISA: reverse transcriptase negative; PCR: SMRV
Fusion Species	Mouse X Mouse Hybridoma
Growth Properties	suspension

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Morphology	single, round cells in suspension (some cells adhere partly, but trypsin is not necessary to detach these cells)
Propagation	Complete culture medium: 90% Dulbecco's MEM (4.5 g/L glucose) + 10% horse serum + 2 mM L-glutamine; at 37 centigrade with 5-10% CO2
Culture Medium	DMEM with 4.5 g/L glucose 2 mM L-glutamine, supplemented with 10%(v/v) horse serum
Subculturing	Split ratio: 1: 3 to 1: 4, every 2 days; seed out at 0.25 x 10^6 cells/ml; Doubling time: 45 hours; Harvest: maximal density of about 1.0 x 10^6 cells/ml.
Mycoplasma	Negative in DAPI, microbiological culture, RNA hybridization assays
Preservation	Frozen with 70% medium, 20% horse serum, 10% DMSO at about 2 x 10^6 cells/ampoule
Safety Considerations	The following safety precautions should be observed. 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.

GENE INFORMATION

References	1.Schiaffino,S., Gorza,L., Pitton,G., Saggin,L., Ausoni,S., Sartore,S. & Lomo,T. (1988). Embryonic and neonatal myosin heavy chain in denervated and paralyzed rat skeletal muscle. Dev.Biol 127(1):1-11.

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