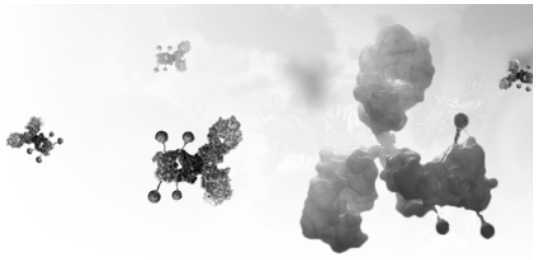

Mouse Anti-Human HIV-1 gp41 Hybridoma [NI-TWN36] (CSC-H0639)

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

PRODUCT INFORMATION

Product Overview	This hybridoma produces mAbs (IgG1, kappa light chain) against human HIV-1 gp41
Immunogen	Lysates of purified HIV-1
Isotype	IgG1, kappa light chain
Species	Other Sources
Clone	NI-TWN36
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 lysates of purified HIV-1. Spleen cells were fused with NS-1 myeloma cells. The antibody reacts specifically with HIV-1 gp41.
Myeloma	NS-1
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, 2 mM L-glutamine, and 1 mM sodium pyruvate, 80%; fetal bovine serum, 20%

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Culture Medium	DMEM with 4.5 g/L glucose, 2 mM L-glutamine and 1 mM sodium pyruvate, supplemented with 20% FBS
Subculturing	Incubate cells at 37°C with 5% CO2 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 HTLV-III (HIV-1, human immunodeficiency virus - 1) gp41 (41000 dalton glycoprotein)
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.

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