

Mouse Anti-Human Acidic Glycoprotein Hybridoma

Cat. No. CSC-H0059 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Cell Line Description	The antibody is directed against an acidic glycoprotein (dimer of 2x110kDa monomers joined by disulphide bonds) present on immature and proliferating human haematopoietic cells but not circulating peripheral blood cells, or other non haematopoietic cells.
Introduction	Glycoproteins are proteins that contain oligosaccharide chains (glycans) covalently attached to polypeptide side-chains. The carbohydrate is attached to the protein in a cotranslational or posttranslational modification. This process is known as glycosylation. In proteins that have segments extending extracellularly, the extracellular segments are often glycosylated. Glycoproteins are often important integral membrane proteins, where they play a role in cell–cell interactions. Glycoproteins are also formed in the cytosol, but their functions and the pathways producing these modifications in this compartment are less well understood.
Immunogen	K-562 cells
Immunological Donor	Mouse spleen
Fusion Species	Mouse X Mouse Hybridoma
Myeloma	S194/5.xx0.BU.1

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Growth properties	Suspension
Morphology	Lymphoblast
Propagation	Complete growth medium: DMEM + 2mM glutamine + 0.02mM 2-mercaptoethanol (2ME) + 10% Horse Serum. Atmosphere: air, 95%; carbon dioxide (CO ₂), 5% Temperature: 37.0 °C
Subculturing	Maintain cultures between 10 ⁵ -10 ⁶ cells/ml; 5% CO ₂ ; 37 °C.
Mycoplasma	Mycoplasma Status: Negative (MycoAlert Kit)
Reactivity	Anti-haematopoietic cell, human
Isotype	IgM
Storage	Liquid nitrogen
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 stable line 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.
Ship	Dry ice

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