Mouse Anti-Bovine WC1 Hybridoma

Cat. No. CSC-H0179 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Bovine
Cell Line Description	The antibody is directed against an antigen present on the surface of reacting bovine T lymphocytes which are CD4-CD8-, gamma/delta TcR+. It immunoprecipitates molecules of 215kDa and 300kDa from resting and activated lymphocytes. The antigen is more prevalent on the lymphocytes of immature animals.
Introduction	The cystatins are a family of cysteine protease inhibitors with homology to chicken cystatin. Cystatins typically comprise about 115 amino acids, are largely acidic, contain four conserved cysteine residues known to form two disulfide bonds, may be glycosylated and/or phosphorylated, with similarity to fetuins, kininogens, stefins, histidine-rich glycoproteins and cystatin-related proteins. They mainly inhibit peptidases belonging to peptidase families C1 (papain family) and C13 (legumain family).
Depositor	Dr J Naessens, ILRAD, Nairobi, Kenya
Immunogen	Bovine peripheral blood mononuclear cells
Immunological Donor	BALB/c mouse spleen
Fusion Species	Mouse X Mouse Hybridoma

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Myeloma	P3x63Ag8.653
Growth properties	Suspension
Propagation	Complete growth medium: RPMI 1640 + 2mM glutamine + 10% Foetal Bovine Serum (FBS) Atmosphere: air, 95%; carbon dioxide (CO2), 5% Temperature: 37.0 °C
Subculturing	Maintain cultures between 3-9x10^5 cells/ml; 5% CO2; 37 °C. These cells may require mouse macrophage feeder cells upon resuscitation.
Mycoplasma	Mycoplasma Status: Negative (MycoAlert Kit)
Reactivity	Anti-WC1, bovine
Isotype	IgG1
Application	Enumeration of bovine lymphocyte populations
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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