

Mouse Anti-Bovine CD2 Hybridoma

Cat. No. CSC-H0181 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Bovine
Background	CD2 (cluster of differentiation 2) is a cell adhesion molecule found on the surface of T cells and natural killer (NK) cells. It has also been called T-cell surface antigen T11/Leu-5, LFA-2, LFA-3 receptor, erythrocyte receptor and rosette receptor.
Cell Line Description	The antibody is directed against Bo CD2, the bovine equivalent of human CD2. It shows species cross-reactivity with goat.
Depositor	Dr J Naessens, ILRAD, Nairobi, Kenya
Immunogen	Bovine cytotoxic T cells
Immunological Donor	BALB/c mouse spleen
Fusion Species	Mouse X Mouse Hybridoma
Myeloma	P3x63Ag8.653
Growth properties	Suspension
Propagation	Complete growth medium: RPMI 1640 + 2mM glutamine + 10% Foetal Bovine Serum (FBS) Atmosphere: air, 95%; carbon dioxide (CO ₂), 5% Temperature: 37.0 °C

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Subculturing	Maintain cultures between 3-9x10 ⁵ cells/ml; 5% CO ₂ ; 37 °C. These cells may require mouse macrophage feeder cells upon resuscitation.
Mycoplasma	Mycoplasma Status: Negative (MycoAlert Kit)
Reactivity	Anti-CD2, bovine
Isotype	IgG2a
Target	CD2
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

GENE INFORMATION

Gene Name	CD2 CD2 molecule [Bos taurus]
Official Symbol	CD2
Synonyms	T-cell surface antigen CD2; CD2 antigen (p50); sheep red blood cell receptor

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Gene ID	497022
mRNA Refseq	NM_001011676
Protein Refseq	NP_001011676
Chromosome Location	3
Pathway	Cell adhesion molecules (CAMs); Cell surface interactions at the vascular wall; Hematopoietic cell lineage; Hemostasis
Function	eukaryotic cell surface binding; protein homodimerization activity; receptor activity

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