Mouse Anti-Sheep CD4 Hybridoma

Cat. No. CSC-H0008 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Sheep
Background	CD4 (cluster of differentiation 4) is a glycoprotein expressed on the surface of T helper cells, regulatory T cells, monocytes, macrophages, and dendritic cells. It was discovered in the late 1970s and was originally known as leu-3 and T4 (after the OKT4 monoclonal antibody that reacted with it) before being named CD4 in 1984. In humans, the CD4 protein is encoded by the CD4 gene.
Cell Line Description	The antibody is directed against the CD4 molecule of sheep and goats.
Depositor	Dr C Mackay, Basel Institute for Immunology, Basel
Immunogen	Sheep lymphocytes
Immunological Donor	BALB/c mouse spleen
Fusion Species	Mouse X Mouse Hybridoma
Myeloma	Sp2/0
Growth properties	Suspension
Morphology	Lymphoblast

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Propagation	Complete growth medium: DMEM + 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.
Mycoplasma	Mycoplasma Status: Negative (MycoAlert Kit)
Reactivity	Anti-CD4, ovine
Isotype	IgG3
Target	CD4
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	CD4 CD4 molecule [Ovis aries]
Official Symbol	CD4
Synonyms	CD 4; CD4 (L3T4); CD4; CD4 antigen (p55); CD4 Antigen; CD4 molecule; CD4

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	Receptor; CD4+ Lymphocyte deficiency; CD4_HUMAN; CD4mut; L3T4; Leu3; Ly-4; Lymphocyte antigen CD4; MGC165891; OTTHUMP00000238897; p55; T Cell Antigen T4; T cell antigen T4/LEU3; T cell differentiation antigen L3T4; T cell OKT4 deficiency, included; T cell surface antigen T4/Leu 3; T cell surface antigen T4/Leu3; T Cell Surface Antigen T4/Leu3; T Cell Surface Glycoprotein CD4; T-cell surface antigen T4/Leu-3; T-cell surface glycoprotein CD4; W3/25; W3/25 antigen;
Gene ID	443509
mRNA Refseq	NM_001129902
Protein Refseq	NP_001123374

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