

Monoclonal Antibody to MHC Class II DR (monomorphic) - FITC

Catalog No.:	SM2051F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	The distribution of ovine DR molecules on T lymphocytes has been shown to vary with immune status and age. Initially T lymphocytes lack class II molecules, then T lymphocytes progressively express DR molecules.
Host / Isotype:	Mouse / IgG2a
Clone:	37.68
Immunogen:	Splenocytes from ATL mice.
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: 1/5 - 1/10; Use 10µl of the suggested working dilution to label 1 x 10 ⁶ cells in 100µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises a monomorphic epitope on MHC class II DR molecules. Species: Sheep, Bovine, Goat, Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General References:	1. Puri, N. et al. (1985) Sheep lymphocyte antigens (OLA) II. Major histocompatibility complex class II molecules. <i>Immunology</i> . 56: 725 - 733. 2. Puri, N. et al. (1987) Monoclonal antibodies to sheep MHC class I and class II molecules: biochemical characterization of three class I gene products and four distinct subpopulations of class II molecules. <i>Vet. Immunol. Immunopathol.</i> 15: 59 - 86. 3. Puri, N. et al. (1987) Sheep MHC II class molecules II. Identification and characterization of four distinct subsets of sheep MHC class II molecules. <i>Immunology</i> . 62: 575 - 580. 4. Puri, N. et al. (1987) Monoclonal antibodies to sheep MHC class II molecules recognize all HLA-D or subsets of HLA-D region products. <i>Hum. Immunol.</i> 20: 195 - 207. 5. Ballingall, K. et al. (1995) Analysis of the fine specificities of sheep major histocompatibility complex class II - specific monoclonal antibodies using mouse L - cell

For research and in vitro use only. Not for diagnostic or therapeutic work.

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transfectants. Anim. Genet. 26: 79-84.

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