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SM2051F Monoclonal Antibody to MHC Class II DR (monomorphic) - FITC

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 10e6 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 Readings:
1. Puri NK, Mackay CR, Brandon MR. Sheep lymphocyte antigens (OLA). II. Major histocompatibility complex class II molecules. Immunology. 1985 Dec;56(4):725-33. PubMed PMID: 3908294.
2. Puri NK, Gogolin-Ewens KJ, Brandon MR. 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. Vet Immunol Immunopathol. 1987 May;15(1-2):59-86. PubMed PMID: 3303652.
3. Puri NK, Brandon MR. Sheep MHC class II molecules. II. Identification and characterization of four distinct subsets of sheep MHC class II molecules. Immunology. 1987 Dec;62(4):575-80. PubMed PMID: 3480873.
4. Puri NK, de Kretser T, Brandon MR. Monoclonal antibodies to sheep MHC class II molecules recognize all HLA-D or subsets of HLA-D region products. Hum Immunol. 1987 Nov;20(3):195-207. PubMed PMID: 3501780.
5. Ballingall KT, Dutia BM, Hopkins J, Wright H. Analysis of the fine specificities of sheep major histocompatibility complex class II-specific monoclonal antibodies using

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mouse L-cell transfectants. Anim Genet. 1995 Apr;26(2):79-84. PubMed PMID: 7733511.

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