

Monoclonal Antibody to WC14 - FITC

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| Catalog No.: | AM01311FC-N |
| Quantity: | 0.1 mg |
| Concentration: | 0.1 mg/ml |
| Host / Isotype: | Mouse / IgG3 |
| Clone: | BT3/8.12 |
| Immunogen: | Theileria parva infected bovine lymphoblastoid cell line. Spleen cells from immunised BALB/c mice were fused with cells of the P3-NS1/1-Ag4-1 myeloma cell line. |
| 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 (Neat - 1/5): use 10 µl of the suggested working dilution to label 1x10 ⁶ cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody recognises the WC14 cell surface antigen, which is expressed on monocytes and granulocytes, and a subset of activated T cells. Species: Bovine. Other species not tested. |
| Add. Information: | Clone BT3/8.12 is reported to immunoprecipitate two polypeptide chains of 150kDa and 158kDa from activated T cells, under reducing conditions (ref.1) |
| 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. Naessens, J. et al. (1985) De novo expression of T cell markers on Theileria parva-transformed lymphoblasts in cattle. J. Immunol. 135: 4183 - 4188. 2. Muiya P, Logan-Henfrey L, Naessens J. Expression of antigens on haemopoietic progenitor cells in bovine bone marrow. Vet Immunol Immunopathol. 1993 Nov;39(1-3):237-48. PubMed PMID: 8310648. 3. Naessens J, Nthale JM, Muiya P. Biochemical analysis of preliminary clusters in the non-lineage panel. Vet Immunol Immunopathol. 1996 Aug;52(4):347-56. PubMed PMID: 8896224. 4. Howard, C.J. et al. (1996) Ruminant cluster WC14. Vet. Immunol. Immunopathol. 52: 261 - 262. |