

Monoclonal Antibody to Beta-2-microglobulin - FITC

Alternate names:	B2M, Beta 2 microglobulin, Beta-2 microglobulin
Catalog No.:	AM08132FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	Beta 2 Microglobulin non-covalently associates with the 44 kDa alpha chain to form the HLA Class I antigen complex. Human beta 2 Microglobulin associated with HLA Class I antigens are expressed on many types of cells including lymphocytes, thymocytes, monocytes, granulocytes, platelets, endothelial cells, and epithelial cells. It is absent on erythrocytes.
Uniprot ID:	P21611
NCBI:	9031
Host / Isotype:	Mouse / IgG1
Clone:	F21-21
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1-3) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes the beta2-Microglobulin subunit (Mr~ 14 kDa) of avian MHC Class I molecules. It also reacts with turkey beta2-Microglobulin. Species: Chicken and Turkey. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Skjodt, K., K.G. Welinder, M.Crone, S. Verland, J. Salomonsen, and M. Simonsen. 1986. Mol. Immunol. 23:1301-1309. 2. Dunon, D., J. Kaufman, J. Salomonsen, K. Skjodt, O. Vainio, J.P. Thiery, and B.A. Imhof. 1990. EMBO J. 9:3315-3322. 3. Salomonsen, J. Personal communication.

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

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



Pictures:

Immunofluorescent Staining: Chicken peripheral blood mononuclear cells were double-stained with Mouse anti-Chicken Beta-2-Microglobulin-FITC and Mouse anti-Chicken CD3-PE (Cat#AM08114FC-N). Small lymphocytes were then gated and analyzed on a FACScan(TM) flow cytometer (BDIS, San Jose, CA). Amount Used: 1 µg/10e6 cells.

