

Monoclonal Antibody to HLA Class I ABC - FITC

Alternate names:	HLA class I histocompatibility antigen, HLA-ABC, MHC class I antigen
Catalog No.:	SM1222F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Host / Isotype:	Mouse / IgG2a
Clone:	W6/32
Immunogen:	Membrane of human tonsil cells. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1/I-Ag4.1 myeloma cell line.
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS, pH 7.4 Preservatives: 0.09% Sodium Azide Stabilizers: 1% BSA Label: FITC
Applications:	Flow Cytometry: Use 10 µl of neat antibody to label 10 ⁶ cells in 100 µl. This antibody is routinely tested in Flow Cytometry on Human peripheral blood lymphocytes. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises an antigenic determinant shared among products of the HLA A, B and C loci. Clone <i>W6/32</i> recognises a conformational epitope, reacting with HLA class I alpha3 and alpha2 domains. MHC class I glycoproteins are found on the surface of almost all nucleated somatic cells. Does not react with Mouse, Chicken, Rabbit, Dog, Goat and Guinea Pig. Species: Human, Cynomolgus monkey, Monkey, Bovine, Baboon, Cat, Macaque monkey. 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.
Product Citation:	Purified antibody is cited in: 1. Christine Mayr, Dagmar Bund, Martin Schlee, Andreas Moosmann, David M. Kofler, Michael Hallek, and Clemens-Martin Wendtner Fibromodulin as a novel tumor-associated antigen (TAA) in chronic lymphocytic leukemia (CLL), which allows expansion of specific CD8+ autologous T lymphocytes Blood, Feb 2005; 105: 1566 - 1573.

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

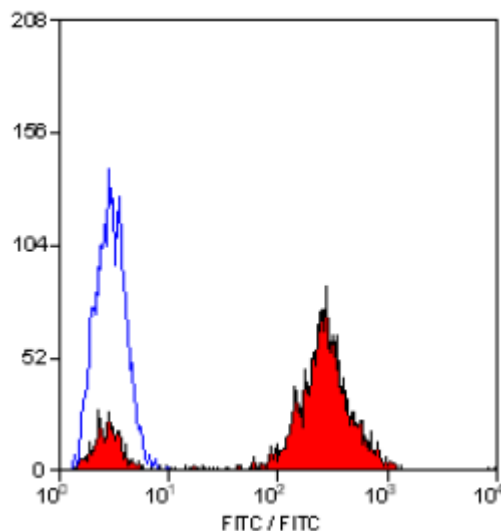
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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

2. Christine Mayr, David M. Kofler, Hildegard Büning, Dagmar Bund, Michael Hallek, and Clemens-Martin Wendtner Transduction of CLL cells by CD40 ligand enhances an antigen-specific immune recognition by autologous T cells *Blood*, Nov 2005; 106: 3223 - 3226.

- General References:**
1. Barnstable, C. J. et al. (1978) Production of monoclonal antibodies to group A erythrocytes, HLA and other human cell surface antigens - new tools for genetic analysis. *Cell*. 14: 9 - 20.
 2. Jacobsen, C. N. et al. (1993) Reactivities of 20 anti-human monoclonal antibodies with leucocytes from ten different animal species. *Vet. Immunol. Immunopathol.* 39: 461 - 466.
 3. Yoshino, N. et al. (2000) Upgrading of flow cytometric analysis for absolute counts, cytokines and other antigenic molecules of Cynomolgus monkeys (*Macaca fascicularis*) by using anti-human cross-reactive antibodies. *Exp. Anim.* 49 (2): 97-110 .
 4. Stern, P. et al. (1987) Class I-like MHC molecules expressed by baboon placental syncytiotrophoblast. *J. Immunol.* 138 (4): 1088 - 1091.
 5. Verbeek, M. M. et al. (1995) T lymphocyte adhesion to human brain pericytes is mediated via very late antigen-4/vascular cell adhesion molecule-1 interactions. *J. Immunol.* 154:5876-5884.
 6. Tanabe, M. et al. (1992) Structural and functional analysis of monomorphic determinants recognized by monoclonal antibodies reacting with the HLA class I alpha 3 domain. *J. Immunol.* 148:3203-3209.

Pictures:



Staining of human peripheral blood lymphocytes with MOUSE ANTI HUMAN HLA ABC:FITC (SM1222F).

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