

Monoclonal Antibody to CD100 / SEMA4D - FITC

Alternate names:	A8, BB18, GR3, SEMAJ, Semaphorin-4D
Catalog No.:	SM1174F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	CD100 is a 150kD homodimeric glycoprotein expressed at low levels by peripheral blood T cells, and at higher density on activated T cells and B cells.
Uniprot ID:	Q92854
NCBI:	9606
Host / Isotype:	Mouse / IgG1
Clone:	A8
Immunogen:	Human PHA activated lymphocytes. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Format:	State: Liquid purified IgG fraction. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the CD100 cell surface antigen. Species: Human, Cynomolgus Monkey and Rhesus 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. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. Aversa, G. G. et al. (1989) Use of monoclonal antibodies to study in vivo and in vitro activated lymphocytes. <i>Transpl. Proc.</i> 21: 349-350. 2. Aversa, G. G. and Hall, B. M. (1991) Cell surface markers of T cell activation. <i>Transplantation Reviews</i> 5: 9. 3. Van Vliet, S. J. et al. (1995) Species cross reactivity (human-monkey-bovine) of the adhesion structure section mAb. <i>Leucocyte Typing V</i> . Oxford University Press p1607-1608. 4. Yoshino, N. et al. (2000) Upgrading of flow cytometric analysis for absolute counts, cytokines and other antigenic molecules of Cynomolgus monkeys (<i>Macaca fascicularis</i>) by using anti-human cross-reactive antibodies. <i>Exp. Anim.</i> 49: 97-110.

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