

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com OriGene Technologies GmbH

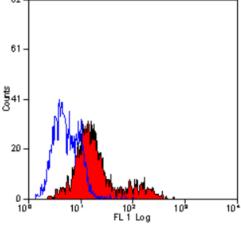
Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

| SM1097P | Monoclonal Antibody to CD35 / C3BR - Purified |
|----------------------------------|---|
| Alternate names: | C3b/C4b receptor, CR1, Complement receptor type 1 |
| Quantity: | 0.2 mg |
| Concentration: | 1.0 mg/ml |
| Background: | CD35 is a single chain cell surface glycoprotein which exists in four allotypic forms (A,B,C,D) of 190kD, 220kD, 160kD and 250kD respectively. The molecule is expressed by granulocytes, monocytes, B cells and some T cells. Functionally CD35 acts as a receptor for the C3b component of complement. |
| Uniprot ID: | <u>P17927</u> |
| NCBI: | <u>9606</u> |
| GenelD: | <u>1378</u> |
| Host / Isotype: | Mouse / IgG1 |
| Recommended Isotype Controls: | SM10P (for use in human samples), AM03095PU-N |
| Clone: | E11 |
| Immunogen: | Human acute monocytic leukaemia cells. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line. |
| Format: | State: Liquid purified IgG fraction from Tissue Culture Supernatant Purification: Affinity Chromatography on Protein A Buffer System: PBS Preservatives: 0.09% Sodium Azide |
| Applications: | Flow Cytometry: Use 10 μl of 1/50-1/200 diluted antibody to label 10⁶ cells or 100 μl whole blood. Immunohistochemistry on Frozen Section: 1-10 μg/ml. Immunohistochemistry on Paraffin Section: 1-10 μg/ml. Requires antigen retrieval using heat treatment prior to staining of Paraffin sections. Sodium citrate buffer pH6.0 is recommended for this purpose. <i>Recommended Positive Control:</i> Human Tonsil. Western Blotting (Ref.3). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody is specific for CD35, a single chain cell surface glycoprotein which exists in four allotypic forms (A,B,C,D) of 190kD, 220kD, 160kD and 250kD respectively. Species: Human, Cynomolgus monkey, Baboon, Rhesus Monkey. Other species not tested. |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |

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.

ORIGENE SM1097P: Monoclonal Antibody to CD35 / C3BR - Purified

General Readings: 1. Hogg N, Ross GD, Jones DB, Slusarenko M, Walport MJ, Lachmann PJ. Identification of an anti-monocyte monoclonal antibody that is specific for membrane complement receptor type one (CR1). Eur J Immunol. 1984 Mar;14(3):236-43. PubMed PMID: 6368248. 2. Yoshino N, Ami Y, Terao K, Tashiro F, Honda M. 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. 2000 Apr;49(2):97-110. PubMed PMID: 10889948. 3. Birmingham, D. J. et al. (1996) The baboon erythrocyte complement receptor is glycophosphatidyl/insitollinked protein encoded by homologue of the human CR1 like genetic element. J. Immunol. 157: 2586-2592. 4. Sopper S, Stahl-Hennig C, Demuth M, Johnston IC, Dörries R, ter Meulen V. Lymphocyte subsets and expression of differentiation markers in blood and lymphoid organs of rhesus monkeys. Cytometry. 1997 Dec 1;29(4):351-62. PubMed PMID: 9415418. Staining of Human peripheral blood **Pictures:** 82 lymphocytes with Mouse anti Human CD35 Antibody Cat.-No SM1097P (Clone E11).



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.