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Monoclonal Antibody to Mouse CD204 -PE

Catalog No.:	SM029R
Quantity/Conc.:	100 Tests
Clone:	2F8
Host/Isotype:	Rat IgG2b
Immunogen:	Raw 264 cell line
Format:	This antibody was lyophilised from PBS buffer pH 7.4 with 0.1% sodium azide as preservative and 1% BSA as stabiliser. This Protein G affinity purified immunoglobulin fraction is conjugated to R. Phycoerythrin (RPE). Reconstitute with 1 ml distilled water.
Applications:	Flow cytometry: use 10 µl of neat antibody to label 10^6 cells. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises CD204, the murine scavenger receptor types I and II. 2F8 inhibits the uptake of acetylated low-density lipoproteins and also inhibits divalent cation independent adhesion. The molecule recognised is expressed by tissue macrophages and functions both as an endocytic receptor for lipoproteins and as an adhesion receptor for macrophages binding to ligand rich tissues e.g. atherosclerotic lesions.
Storage:	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product is photosensitive and should be protected from light. Shelf life: 6 months from despatch.

References:

1. Fraser, I.P., Hughes, D.A. and Gordon, S. (1993). Divalent cation-independent macrophage adhesion inhibited by monoclonal antibody to murine scavenger receptor. Nature 364: 343-346.
2. de Villiers, W.J.S., Fraser, I.P., Hughes, D.A., Doyle, A.G. and Gordon, S. (1994). Macrophage-Colony-Stimulating-Factor selectively enhances macrophage receptor expression and function. J. Exp. Med. 180: 705-709.
3. Hughes, D.A., Fraser, I.P. and Gordon, S. (1995). Murine Macrophage Scavenger Receptor: in vivo expression and function as receptor for macrophage adhesion in lymphoid and non-lymphoid organs. Eur. J. Immunol. 25: 466-473.
4. Bell, M..D., Lopez-Gonzalez, R., Lawson, L., Hughes, D.A., Fraser, I.P., Gordon, S. and Perry, V.H.P. (1994). Upregulation of the macrophage scavenger receptor in response to different forms of injury in the CNS. J. Neurocytol. 23: 605-613.
5. Hughes, D.A., Fraser, I.P. and Gordon, S. (1994). Murine Macrophage Scavenger Receptor: Adhesion function and Expression. Imm. Letts. 43: 7-14.
6. Rosen, H. and Hughes, D.A. (1995). Assays of Myeloid Cell Function: Migration and adhesion in vivo. Weir Handbook of Experimental Immunology. London, Blackwell Scientific Publications. 5th, ed. In Press.

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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.