

## Monoclonal Antibody to Langerhans Cells - Ig Fraction

<b>Catalog No.:</b>	SM306P
<b>Quantity:</b>	0.2 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Host / Isotype:</b>	Mouse / IgM
<b>Clone:</b>	RED-1
<b>Immunogen:</b>	Langerhans cells from rat epidermis. Spleen cells from immunised mice were fused with cells of the mouse NS-1 myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid IgG fraction <b>Purification:</b> Ammonium sulphate precipitation <b>Buffer System:</b> PBS, pH7.4 containing 0.09% Sodium Azide
<b>Applications:</b>	Flow Cytometry: 1/10 - 1/20; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. Immunohistochemistry on frozen sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises an antigen expressed by Langerhans cells, intermediate dendritic cells and interdigitating cells in T cell areas of rat lymphoid organs. Monocytes and macrophages in various organs and tissues are also stained. <b>Species:</b> Rat. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month. DO NOT FREEZE! Shelf life: one year from despatch.
<b>General Readings:</b>	1. Mizoguchi S, Takahashi K, Takeya M, Naito M, Morioka T. Development, differentiation, and proliferation of epidermal Langerhans cells in rat ontogeny studied by a novel monoclonal antibody against epidermal Langerhans cells, RED-1. J Leukoc Biol. 1992 Jul;52(1):52-61. PubMed PMID: 1640175.