

## Product datasheet for **SM1089B**

### CD15 Mouse Monoclonal Antibody [Clone ID: TG-1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	TG-1
Applications:	FC
Recommended Dilution:	In flow cytometry (1.0 x 10e6 cells ), IFA and IHC (acetone-fixed frozen sections). May be used for enumerating mature granulocytes in peripheral blood.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Thymocyte glycoprotein fraction adsorbed to Con A and eluted with 0.1 M glucose
Specificity:	Recognizes a (Mr 156 kDa) cell surface glycoprotein expressed on virtually all peripheral blood granulocytes.(1,2,3). Anti-CD15 has virtually no reactivity with T or B cells.(1,2,3).
Formulation:	0.01 M PBS, pH7.2 containing 1 % BSA as stabilizer and 0.09 % Sodium azide as preservative Label: Biotin State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ion exchange chromatography and gel filtration
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8 °C. DO NOT FREEZE! Should this product contain a precipitate we recommend microcentrifugation before use.
Stability:	Shelf life: one year from despatch.



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**Background:**

The CD15 antigen is expressed on approximately 90% human circulating granulocytes (membranes and granules), 30 to 60% of circulating monocytes and is absent from normal lymphocytes. CD15 antigen is also expressed on Reed Sternberg cells of Hodgkin's disease, on T cell lymphomas including mycosis fungoides and on some leukemias. Outside the hematopoietic system, CD15 expression is described in certain normal and neoplastic epithelial cells and in astrocytes. At least 5 major CD15 antigens (105, 135, 165, 185, 220 kDa) are present on the surface membranes of polymorphonuclear cells. The hapten occurs also in glycolipids. CD15 plays a role in mediating phagocytosis, bactericidal activity and chemotaxis.

**Synonyms:**

Lewis X, X-Hapten, Lacto-N-Fucopentaose III, Stage-Specific Embryonic Antigen, SSEA1