

Product datasheet for **SM264R**

Itgam Mouse Monoclonal Antibody [Clone ID: WT.3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	WT.3
Applications:	FC
Recommended Dilution:	Flow cytometry
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	FTL-43. Lymph node cells from immunised BALB/c mice were fused with cells from the PAI mouse myeloma cell line.
Specificity:	This antibody recognises CD18 (LFA-1), a 95-100kD cell surface glycoprotein expressed as a heterodimer with CD11a, b or c. Functionally it inhibits homotypic aggregation of PHA blasts. It also blocks binding of rat lymphocytes to purified rat ICAM-1.
Formulation:	PBS containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: PE State: Lyophilized purified IgG Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1 ml distilled water
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha M
Database Link:	Entrez Gene 25021 Rat Q9J130



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Background:

CD18 is an integrin. Integrins are integral cell surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA1, and combines with the alpha M chain to form the integrin Mac1. Integrins are known to participate in cell adhesion as well as cell surface mediated signalling. CD18 is expressed by most leucocytes. Defects in the CD18 gene result in leukocyte adhesion deficiency.

Synonyms:

Integrin beta-2, MFI7