



Magic™ Anti-ITGAM monoclonal antibody, clone 3MPM20c (DMAB5161MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse Anti-HumanITGAM Integrin, Alpha M Monoclonal Antibody, RPE-Conjugated, which is a purifiedmonoclonal mouse antibody conjugated withR-phycoerythrin (RPE), isrecommendedfor use in flow cytometryforidentification of cells expressing CD11b.Eachvial cont
Specificity	Anti-ITGAM, wasincluded in the Fourth International Workshop and Conference onHumanLeucocyte Differentiation Antigens, and studies by a number oflaboratories confirmed its reactivity. It isequivalent in specificity toantibodies like Mo1 andMac-1.Anti-ITGAM, labels peripheral bloodgranulocytes, approximately 80% of monocytes, and asubpopulation of "null cell" peripheral lymphocytes (CD2+, CD3-)containing most ofthe circulating natural killercells. It also labels macrophages in manytissues, although its spectrum of reactivity against these cells isnarrowerthan that of antibodies such as Anti-CD68and Anti-CD11c.
Immunogen	PurifiediC3breceptor.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3MPM20c
Conjugate	Unconjugated
Procedure	Flow Cytometry Antibodies
Format	Liquidform in buffercontaining 1% bovine serum albumin (BSA) and 15 mmol/L NaN3, pH7.2.
Preservative	15mmol/L Sodium Azide
Storage	Store in the dark at 2°C -8°C. Do not use after expirat ion dat estamped on vial.

Warnings

1. The device is not intended for clinical use including diagnosis, prognosis, and monitoring of disease state, and it must not be used in conjunction with patient records or treatment.
2. This product contains sodium azide (NaN₃), a chemical highly toxic

GENE INFORMATION

Gene Name	ITGAM integrin.alpha M (complement component 3 receptor 3 subunit)[Homo sapiens]
Official Symbol	ITGAM
Synonyms	CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6; MGC117044; integrin alpha-M; CR-3 alpha chain; antigen CD11b (p170); leukocyte adhesion receptor MO1; CD11 antigen-like family member B; macrophage antigen alpha polypeptide; cell surface glycoprotein MAC-1 subunit alpha; neutrophil adherence receptor alpha-M subunit; CD11b; CD11b antigen
Entrez Gene ID	3684
Protein Refseq	NP_000623
UniProt ID	P11215
Chromosome Location	16p11.2
Pathway	Amoebiasis; Cell adhesion molecules (CAMs); Cell surface interactions at the vascular wall; Focal Adhesion; Hematopoietic cell lineage; Hemostasis; IL-5 Signaling Pathway; Integrin cell surface interactions; Integrin-mediated cell adhesion; Legionellosis; Leishmaniasis; Leukocyte transendothelial migration; Pertussi; Phagosome; Tuberculosis; Regulation of actin cytoskeleton; Signal Transduction; Staphylococcus aureus infection; amb2 Integrin signaling
Function	glycoprotein binding; protein binding; receptor activity