Anti-Human CD16 (GRM1)



	REF	\sum	\bigcirc		5.	REFE	
PURE	16PU	l mg	1 mg/ml		1.	Claudio C	
FITC	16F-100T	100 test	20 µL/test	RUO	2.	Ruiz-Cabe antibody Regul1987	
PRODUCT DESCRIPTION Clone: GRM1; Isotype: IgG2a, kappa;						Tamm A, S antibodies	
Tostype: rgoute, kapper, Tested application: flow cytometry; Immunogen: The anti-CDI6 monoclonal antibody derives from human polymorphonuclear leukocytes; Species reactivity: Human; Storage instruction: store in the dark at 2-8 °C;					4. ear	Harry R. K Borne. Fc Distinct Fe	
Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN,);							
Recommended usage: Mouse Anti-Human CDI6 monoclonal antibody FITC-conjugated, clone GRMI, is recommended for use in flow cytometry for identification of FcgammaRIII antigen (FcyRIII) present on NK cells, neutrophils and macrophages in peripheral blood and bone marrow. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10 ⁶ cells; Presentation: liquid;					nii 20 µg/ od	20 µg/test	
	upernatant proceedin	5	cell culture of a cell	hybridoma;			
	n: Affinity chromatog nes: FCRIII, Fc-gamma 2214;		6, FCG3, FCGR3, IGFI	R4;			
Molecular (48 kDa).	weight: Ig superfami	ly, transmembrar	ne form (50-65 kDa) or GPI-linked fo	rm		

2. ANTIGEN DETAILS

1.

Large description: The CDI6 molecule has been described as the low affinity Fc receptor (FcRIII) for complexed IgG which may exist either as a transmembranous form (FcRIIIa) which is expressed on NK cells, and macrophages or as glycosylphosphatidylinositol (GPI)-anchored form (FcRIIIb) expressed on neutrophils. The GPI-anchored CDI6B exists as two allelic forms termed NAI (CD16BNA1) and NA2 (CD16BNA2).⁽⁴⁾

Clone GRMI recognizes an epitope on the distal domain. It binds strongly with neutrophils of NA2 homozygotes and reacts weakly with neutrophils of NAI homozygotes, while on neutrophils of NAI/NA2 heterozygotes it reacts with intermediate intensity(I). The mobility of the CDI6-antigen is dependent on the NA1/NA2 allotype of the neutrophil donor⁽²⁾.

Clone GRMI recognizes NA2-FcyRIIIb and FcyRIIIa, whereas clone 3G8 is an Anti-pan FcyRIII⁽³⁾.

З. WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

ADDITIONAL INFORMATION 4.

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ERENCES

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- ello F, Lopez Nevot MA, Garrido A, Garrido F. A study of GRM1 monoclonal that reacts with natural killer cells and granulocytes. Nat Immun Cell Growth 37; 6(2):99-108.
- Schmidt RE. The binding epitopes of human CD16 (Fc gamma RIII) monoclonal es. Implications for ligand binding. J Immunol1996 Aug 15;157(4):1576-81.
- Koene, Marion Kleijer, Dirk Roos, Masja de Haas and Albert E. G. Kr Von dem CyRIIIB Gene Duplication: Evidence for Presence and Expression of Three FcgRIIIB Genes in NA(1+,2+)SH(+) Individuals.

6. **EXPLANATION OF SYMBOLS**

Form
Catalog reference
Contains sufficient for <n> test</n>
Quantity per test
Regulatory Status
Research Use Only
Manufacturer

7. MANUFACTURED BY:



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