

For Research Use Only

FITC Plus Anti-Mouse Ly-6G/Ly-6C (Gr-1) (RB6-8C5)

Catalog Number: FITC-65140

3 Publications



Basic Information

Catalog Number:

FITC-65140

Size:

100ug, 0.5 mg/ml

Source:

Rat

Isotype:

IgG2b, kappa

GenBank Accession Number:

X70920

GeneID (NCBI):

546644

UNIPROT ID:

P35461

Full Name:

lymphocyte antigen 6 complex, locus G

Purification Method:

Affinity purification

CloneNo.:

RB6-8C5

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

mouse

Cited Species:

mouse

Background Information

Ly-6G (lymphocyte antigen 6 complex, locus G), also known as Gr-1, is a 21-25 kDa, glycosylphosphatidylinositol-anchored protein expressed on myeloid lineage cells in mouse bone marrow (PMID: 8360469). The expression of Ly-6G increases on neutrophils as they differentiate from immature cells in the bone marrow to mature cells in the blood and spleen (PMID: 8890901). Antibodies targeting Ly6G (RB6-8C5 or 1A8) are commonly used in studies aimed at identifying the role of neutrophils (PMID: 23543767). The RB6-8C5 mAb has been reported to cross-react with Ly-6C on cells expressing Ly-6C (PMID: 8360469).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaolong He	34721415	Front Immunol	FC
Lisha Liu	39034393	J Nanobiotechnology	FC
Ting Liang	37743226	Adv Sci (Weinh)	FC

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

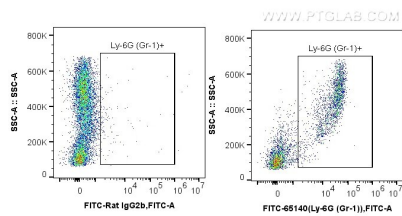
For technical support and original validation data for this product please contact:

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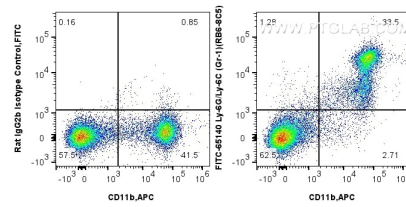
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ mouse bone marrow cells were surface stained with 0.5 ug FITC Plus Anti-Mouse Ly-6G/Ly-6C (Gr-1) (FITC-65140, Clone: RB6-8C5) or 0.5 ug isotype control. Cells were not fixed.



1x10⁶ mouse bone marrow cells were surface stained with 0.25 ug FITC Plus Anti-Mouse Ly-6G/Ly-6C (Gr-1) (FITC-65140, Clone: RB6-8C5) or 0.25 ug FITC Plus Rat IgG2b Isotype Control (FITC-65211, Clone: LTF-2). Cells were co-stained with APC Anti-Mouse CD11b (APC-65055, Clone: M1/70). Cells were not fixed.