

For Research Use Only

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

Catalog Number: 65140-1-Ig **32 Publications**



Basic Information

Catalog Number:

65140-1-Ig

Size:

500ug, 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

Recommended Dilutions:

FC: 0.5 ug per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC

Cited Applications:

WB, FC

Species Specificity:

mouse

Cited Species:

mouse

Positive Controls:

FC : mouse bone marrow cells,

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
Yitong Liu	34184309	J Leukoc Biol	FC
Yifei Fang	35498537	J Oncol	FC
Zu-Xing Wei	40182603	World J Gastroenterol	

Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

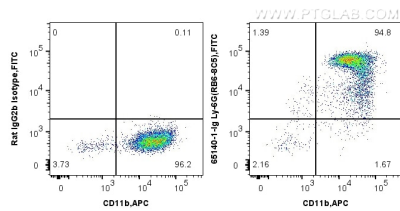
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Selected Validation Data



1X10⁶ mouse bone marrow cells were surface co-stained with APC Anti-Mouse CD11b and 0.5 ug Anti-Mouse Ly-6G/Ly-6C (Gr-1) (65140-1-Ig, Clone:RB6-8C5) and FITC anti-Rat IgG2b Antibody at dilution 1:1000, or 0.5 ug Rat IgG2b isotype control. Cells were not fixed.