

For Research Use Only

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

Catalog Number: 65140-1-Ig 25 Publications



Basic Information

| | | | | | |
|-----------------|-------------------|---------------------------|---------------------------------------|----------------------|-----------------------|
| Catalog Number: | 65140-1-Ig | GenBank Accession Number: | X70920 | Purification Method: | Affinity purification |
| Size: | 500ug , 0.5 mg/ml | GeneID (NCBI): | 546644 | CloneNo.: | RB6-8C5 |
| Source: | Rat | UNIPROT ID: | P35461 | | |
| Isotype: | IgG2b, kappa | Full Name: | lymphocyte antigen 6 complex, locus G | | |

Applications

Tested Applications:
FC

Cited Applications:
WB, 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 |
|------------|-----------|---------------|-------------|
| Yitong Liu | 34184309 | J Leukoc Biol | FC |
| Yifei Fang | 35498537 | J Oncol | FC |
| Tian Xia | 39603573 | Pharmacol Res | FC |

Storage

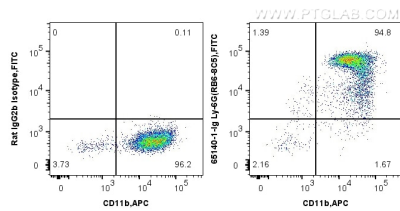
Storage:
Store at 2-8°C. Stable for one year after shipment.

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.