

For Research Use Only

FITC Anti-Mouse Ly-6G (1A8)

Catalog Number: FITC-65078



Basic Information

Catalog Number: FITC-65078	GenBank Accession Number: X70920	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 546644	CloneNo.: 1A8
Source: Rat	UNIPROT ID: P35461	Excitation/Emission maxima wavelengths: 494 nm / 520 nm
Isotype: IgG2a, kappa	Full Name: lymphocyte antigen 6 complex, locus G	

Applications

Tested Applications:
FC

Species Specificity:
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 1A8 mAb is specific for Ly-6G (PMID: 8360469).

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

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

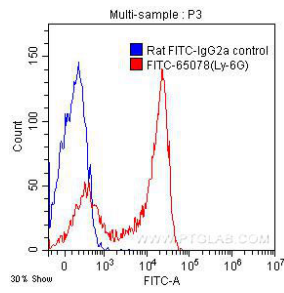
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Selected Validation Data



1X10⁶ C57BL/6 mouse bone marrow cells were surface stained with 0.20 ug FITC-Anti-Mouse Ly-6G (FITC-65078, clone 1A8) (red) or 0.20 ug FITC-rat IgG2a isotype control (blue). Cells were not fixed.