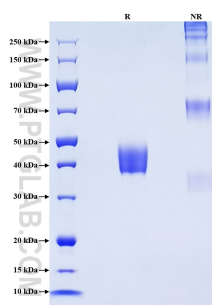


# Recombinant mouse Ly6g protein (rFc Tag)

Catalog Number: Eg2609

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: C-rFc
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Mouse Ly6g protein Ala21-Ser114 (Accession# P35461) with a rabbit IgG Fc tag at the C-terminus</p> <p><b>GeneID:</b> 546644</p> <p><b>Accession:</b> P35461</p> <p><b>Predicted Molecular Mass:</b> 36.0 kDa</p> <p><b>SDS-PAGE:</b> 35-45 kDa, reducing (R) condition</p> <p><b>Formulation:</b> Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> <li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li> <li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li> </ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>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. 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. Antibodies targeting Ly6G (RB6-8C5 or 1A8) are commonly used in studies aimed at identifying the role of neutrophils. The RB6-8C5 mAb has been reported to cross-react with Ly-6C on cells expressing Ly-6C.</p>		
References	<ol style="list-style-type: none"> <li>1. T J Fleming, et al. (1993) J Immunol. 151(5):2399-408.</li> <li>2. E Lagasse, et al. (1996) J Immunol Methods. 197(1-2):139-50.</li> <li>3. Pui Y Lee, et al. (2013) J Leukoc Biol. 94(4):585-94.</li> </ol>		
Synonyms	Ly6g, Ly 6G, Ly-6G, Ly-6G.1		

## Selected Validation Data



Purity of Recombinant Mouse Ly6g was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

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

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