# Anti-Ly-6G Antibody

## 0809-11

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| **Product Type:** | Rabbit polyclonal IgG, primary antibodies |
| **Species reactivity:** | Mouse |
| **Applications:** | WB |
| **Molecular Wt:** | Predicted band size: 14 kDa |

**Description:** Ly-6G is a marker of myeloid differentiation, which is expressed on majority of myeloid cells in the bone marrow and granulocytes in the periphery. Ly-6G belongs to the Ly-6 family of glycosyl-phosphatidylinositol (GPI)-linked proteins. The level of antigen expression in the bone marrow directly correlates with granulocyte differentiation and maturation

**Immunogen:** Synthetic peptide within mouse Ly-6G aa 1-50 / 134.

**Positive control:** Mouse spleen tissue lysate, Mouse lung tissue lysate.

**Subcellular location:** Cell membrane.

**Database links:** SwissProt: P35461 Mouse

**Recommended Dilutions:**

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| **WB** | 1:1,000-1:2,000 |

**Storage Buffer:** 1*PBS (pH7.4), 0.2% BSA, 25% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

**Purity:** Immunogen affinity purified.

## Images

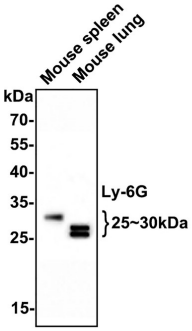


**Fig1:** Western blot analysis of Ly-6G on different lysates with Rabbit anti-Ly-6G antibody (0809-11) at 1/1,000 dilution.

Lane 1: Mouse spleen tissue lysate
Lane 2: Mouse lung tissue lysate

Lysates/proteins at 20 µg/Lane.

Predicted band size: 14 kDa
Observed band size: 25~30 kDa

Exposure time: 7 seconds;

12% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (0809-11) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at room temperature.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. Fleming T.J., O'Huigin C., Malek T.R.;"Characterization of two novel Ly-6 genes. Protein sequence and potential structural similarity to alpha-bungarotoxin and other neurotoxins.";J. Immunol. 150:5379 -5390(1993).
2. Tsou, C.L., Peters, W., Si, Y., Slaymaker, S., Aslanian, A.M., Weisberg, S.P.,Mack, M. and Charo, I.F. "Critical roles for CCR2 and MCP-3 in monocyte mobilization from bone marrow and recruitment to inflammatory sites." J. Clin. Invest. 117: 902-909(2007).