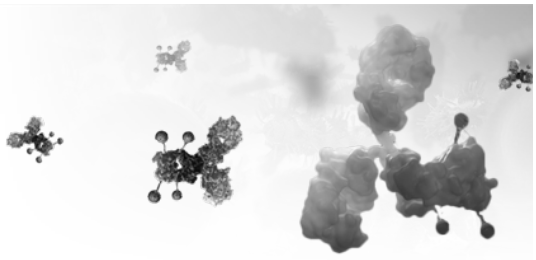

Rat Anti-Mouse Ly6G/Ly6C (Gr-1) Monoclonal antibody, clone RB6-8C5 (CABT-L4283)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The RB6-8C5 monoclonal antibody reacts strongly with mouse Ly6G and weakly with mouse Ly6C previously referred to as GR-1. Ly6G is a 21-25 kDa member of the Ly-6 superfamily of GPI-anchored cell surface proteins with roles in cell signaling and cell adhesion.
Target	Mouse Ly6G/Ly6C (Gr-1)
Immunogen	Mouse granulocytes
Isotype	IgG2b, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	RB6-8C5
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo depletion of Gr-1+ myeloid cells, FC, Immunohistochemistry (paraffin), IHC-F
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg

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Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The RB6-8C5 monoclonal antibody reacts strongly with mouse Ly6G and weakly with mouse Ly6C previously referred to as GR-1. Ly6G is a 21-25 kDa member of the Ly-6 superfamily of GPI-anchored cell surface proteins with roles in cell signaling and cell adhesion. Ly6G is expressed differentially during development by cells in the myeloid lineage including monocytes macrophages granulocytes and neutrophils. Monocytes typically express Ly6G transiently during development while mature granulocytes and peripheral neutrophils retain expression making Ly6G a good cell surface marker for these populations.The RB6-8C5 antibody has been shown to inhibit the binding of the 1A8 antibody. The 1A8 monoclonal antibody reacts specifically with mouse Ly6G with no reported cross reactivity with Ly6C.
Keywords	LY6G;lymphocyte antigen 6 complex, locus G;Gr1;Gr-1;Ly-6G;lymphocyte antigen 6G;ly-6G.1;

GENE INFORMATION

Official Symbol	lymphocyte antigen 6 complex, locus G
Synonyms	LY6G; lymphocyte antigen 6 complex, locus G; Gr1; Gr-1; Ly-6G; lymphocyte antigen 6G; ly-6G.1;
References	Bansal, S., et al. (2018). "IL-1 Signaling Prevents Alveolar Macrophage Depletion during Influenza and Streptococcus pneumoniae Coinfection." J Immunol 200(4): 1425-1433. PubMed;Norris, B. A., et al. (2013). "Chronic but not acute virus infection induces sustained expansion of myeloid suppressor cell numbers that inhibit viral-specific T cell immunity." Immunity 38(2): 309-321. PubMed;van der Merwe, M., et al. (2013). "Recipient myeloid-derived immunomodulatory cells induce PD-1 ligand-dependent donor CD4+Foxp3+ regulatory T cell proliferation and donor-recipient immune tolerance after murine nonmyeloablative bone marrow transplantation." J Immunol 191(11): 5764-5776. PubMed;Ordonez-Rueda, D., et al. (2012). "A hypomorphic mutation in the Gfi1 transcriptional repressor results in a novel form of neutropenia." Eur J Immunol 42(9): 2395-2408. PubMed;Carr, K. D., et al. (2011). "Specific depletion reveals a novel role for neutrophil-mediated protection in the liver during Listeria

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