

Rat anti-Mouse Gr-1 Monoclonal Antibody | anti-Gr-1 antibody

Rat anti Mouse Gr-1:Amethyst Orange

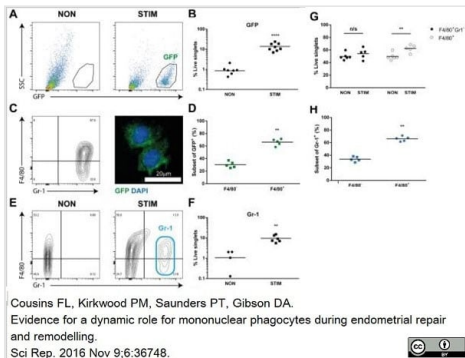
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA12290	Rat	Mouse	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Gr-1; Monoclonal Antibody; Rat anti Mouse Gr-1:Amethyst Orange; Gr-1 antibody | RB6-8C5; anti-Gr-1 antibody

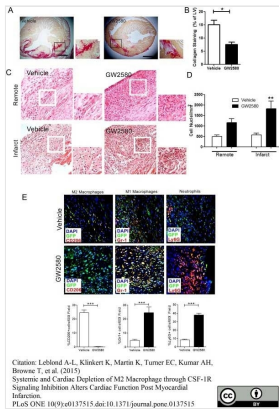
PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	RB6-8C5
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Form/Format	Phosphate buffered saline 0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin Purified IgG conjugated to Amethyst Orange - liquid
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Applicable Applications for anti-Gr-1 antibody	FCM/FACS (Flow Cytometry)
Application Notes	FC/FACS: Neat to 1/10
Immunogen	Normal murine bone marrow cells.
Conjugation	Amethyst Orange
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20 degree C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8 degree C for short term use (up to 4 weeks) and store the remaining aliquots at -20 degree C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.



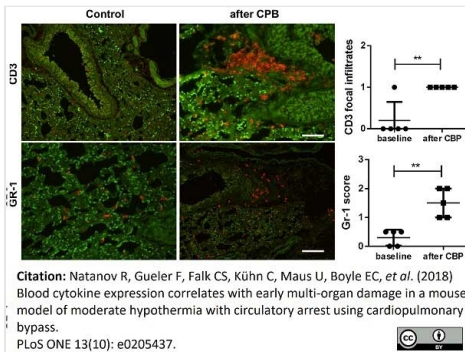
Application Data

Published customer image:RPE conjugated Rat anti Mouse GR-1 antibody, clone RB6-8C5 used for the evaluation of GR-1 (Ly6G) expression on murine uterine derived neutrophils by flow cytometry.Image caption:Immunophenotyping of uterin



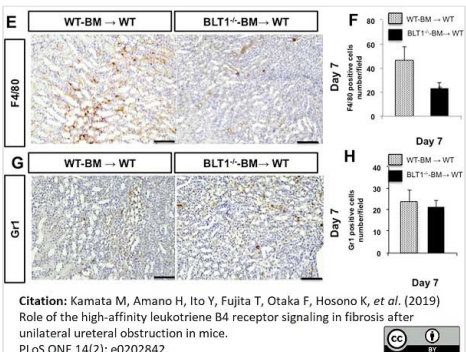
Application Data

Published customer image:Rat anti Mouse Gr-1 antibody, clone RB6-8C5 used for the evaluation of Gr-1 expression on circulating monocytes from mouse blood by flow cytometry.Image caption:Effect of CD206+ M2 macrophage depletion on collagen depo



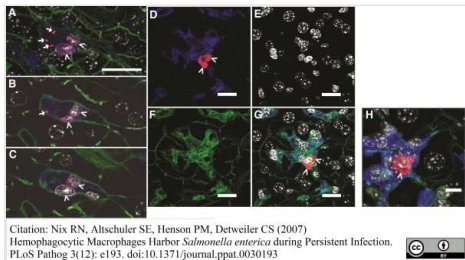
Application Data

Published customer image:Rat anti Mouse Gr-1 antibody, clone RB6-8C5 used for the identification of infiltrating neutrophils in murine lung tissue sections by immunofluorescenceImage caption:Representative images of lung tissue from cont



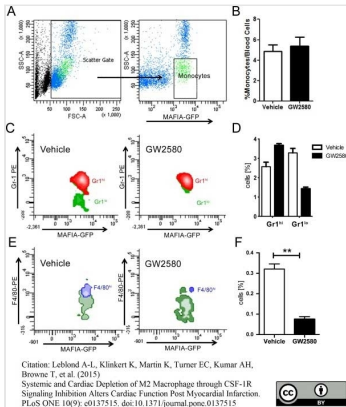
Application Data

Published customer image:Rat anti Mouse Gr-1 antibody used for the visualisation of infiltrating granulocytes in a murine model of ureteral obstruction induced kidney fibrosis by immunohistochemistry on formalin fixed, paraffin embedded tiss



Application Data

Published customer image:Rat anti Mouse Gr-1 antibody, clone RB6-8C5 used for the identification of neutrophils by immunofluorescence.Image caption:S. typhimurium-Infected Macrophages Containing Phagocytosed Neutrophils and T Cells Confocal fl



Application Data

Published customer image:Rat anti Mouse Gr-1 antibody, clone RB6-8C5 used for the evaluation of Gr-1 expression on circulating monocytes from mouse blood by flow cytometry.Image caption:Depletion of the circulating monocyte and Gr1lo and F4/80

ADDITIONAL INFORMATION

Related Product Information for anti-Gr-1 antibody	Rat anti Mouse Gr-1 antibody, clone RB6-8C5 recognizes the mouse Gr-1 antigen, a ~21-25kDa GPI anchored cell surface protein bearing a single uPAR/Ly6 domain that belongs to the Ly-6 family of proteins (Lee et al. 2013). Rat anti Mouse Gr-1 antibody, clone RB6-8C5 reacts predominantly with the Ly-6G protein but weaker reactivity with the Ly-6C protein has been reported (Fleming et al. 1993). However, other observations dispute the cross-reactivity of clone RB6-8C5 with the Ly-6C protein with the alternative explanation that certain sub-populations of bone marrow cells simultaneously express both Ly-6C and Ly-6G (Nagendra et al. 2007) The Gr-1 antigen is primarily a marker of myeloid differentiation. In the bone marrow the level of Gr-1 expression is low on immature myeloblasts and increases as the myeloid cells mature to granulocytes. Gr-1 is also expressed on macrophages and transiently on differentiating monocytes. Rat anti Mouse Gr-1 antibody, clone RB6-8C5 has been used successfully for the depletion of mature neutrophils in vivo (Czuprynski et al 1994, Daley et al. 2008).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	547876
UniProt Accession #	P35461
Molecular Weight	11,798 Da
NCBI Official Full Name	Lymphocyte antigen 6G
UniProt Protein Name	Lymphocyte antigen 6G
UniProt Gene Name	Ly6g
UniProt Synonym Gene Names	Ly-6G
UniProt Entry Name	LY6G_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.