

Product datasheet for **TA420124**

Ly6g Rat Monoclonal Antibody [Clone ID: RB6-8C5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	RB6-8C5
Applications:	FC, IF, IHC, IP, WB
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Normal murine bone marrow cells.
Specificity:	Gr-1
Formulation:	Phosphate buffered saline containing 0.09% sodium azide (NaN ₃) Label: ALEXA FLUOR [®] 488,ALEXA FLUOR [®] 647,ALEXA FLUOR [®] 700,Amethyst Blue,Amethyst Orange,Biotin,FITC,Low Endotoxin,Pacific Blue [®] ,Preservative Free,Purified,RPE,RPE-ALEXA FLUOR [®] 647,RPE-ALEXA FLUOR [®] 750,StarBright Blue 700,StarBright Violet 440,StarBright Violet 515,StarBright Violet 570,StarBright Violet 610,StarBright Violet 670,StarBright Violet 710,StarBright Violet 790 State: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant Purified IgG - liquid
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	+4°C, -20°C if preferred
Stability:	Shelf life: one year from despatch.
Gene Name:	lymphocyte antigen 6 complex, locus G
Database Link:	P35461



Background:

Rat anti Mouse Gr-1 antibody, clone RB6-8C5 recognizes the mouse Gr-1 antigen, a ~210 kDa 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).

Synonyms:

Ly-6G