

Rat monoclonal anti mouse Ly-6G (Gr-1)

ORDERING INFORMATION

Catalog Number:	mAP-0064
Size:	100 µg
Storage:	< -20° C
Immunogen:	Cell lysates of mouse neutrophils
Ig Type:	Rat IgG2
Clone	RM0064-6D17
Applications:	FC and IHC (Paraffin)

Introduction: Gr-1 is a 21-25 kD protein also known as Ly-6G/Ly-6C. This myeloid differentiation antigen is a glycosylphosphatidylinositol (GPI)-linked protein expressed on granulocytes and macrophages. In bone marrow, the expression levels of Gr-1 directly correlate with granulocyte differentiation and maturation; Gr-1 is also transiently expressed on bone marrow cells in the monocyte lineage. Gr-1⁺ cells have recently been implicated in the development of antitumor responses.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with **Cell lysates of mouse neutrophils**).

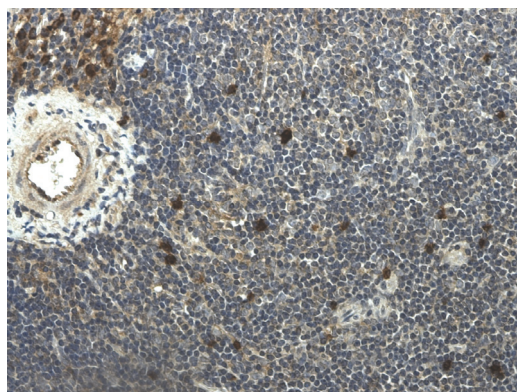
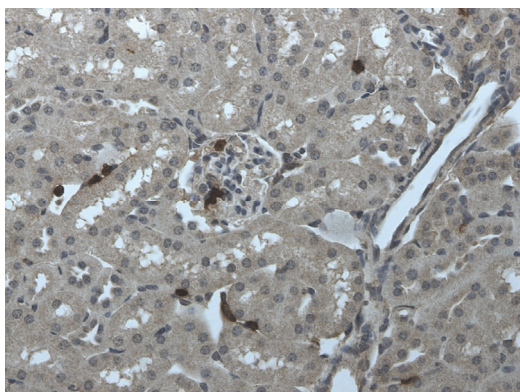
Formulation and Storage: The IgG fraction of culture supernatant was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS). Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

Reconstitution: Reconstitute the antibody with 500 µl sterile PBS (final concentration 400µg/ml). Reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity: The Ly-6G antibody has been used to identify peripheral blood neutrophils and deplete granulocytes in vivo.

Application(s)

1.	FC	Yes	(1:500-2000)
2.	IHC (Paraffin)	Yes	(1:100-400)



Ly-6G immunohistochemistry staining of paraffin sections of mouse kidney and spleen tissues from LPS exposed animals.

The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users!

For Research Use Only

Contact & Ordering Information: Angio-Proteomie, 11 Park Drive, Suite 12, Boston, MA 02215, USA. Tel: 617-549-2665; Fax: (480) 247-4337, angioproteomie@gmail.com