



Category: Monoclonal Antibodies	Cat. # mab-SF-C051	Product Name: mouse Ly-6G
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Description:

Monoclonal rat anti-Mouse Ly-6G. Ly-6G is highly expressed on neutrophilic granulocytes and expression greatly increases during granulocyte maturation. To a lower extent, Ly-6G is also expressed during the development of monocytes. In mouse bone marrow samples, clone 1A8 primarily detects granulocytes, but not lymphocytes or erythrocytes.

Immunogen:

Ly-6G transfected EL-4J cell line

Application:

Flow cytometry, IHC.

Species Reactivity:

Mouse. Others not tested.

Presentation:

50 mM Sodium Borate, 150 mM Sodium Chloride, 20% Glycerol and 0.05% Sodium azide, pH 8.0.

Aliquoting Instructions:

Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

Specificity:

Clone 1A8 specifically recognizes the mouse Ly-6G antigen and is suited for identification and enumeration of Ly-6G⁺ cells by flow cytometry or IHC.

Storage:

Store at 2~8°C for short term, freeze under -20°C for long term storage.

Size: 0.2 mg

Clone: 1A8

Isotype: Rat IgG2a, κ

Host: Rat

Form: Purified

Concentration: 0.5 mg/ml

Units on Hand: YES

References:

1. Huang, B., et al., Cancer Res. 67(9): 4346-4352, 2007.
2. Fan, J., et al., Am. J. Physiol. Lung Cell Mol. Physiol. 290(4): L738-L746, 2006.
3. Alvarez, M. J., et al., Cancer Res. 65(12): 5123-5132, 2005.
4. Daley J, et al., J. Leukocyte Biol. doi:10.1189, 2007.
5. Tadagavadi RK, et al., J. Immunol. 185:4904, 2010.
6. Sumagin R, et al., J. Immunol. 185:7057, 2010.

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