

# Product Data Sheet

## PE anti-mouse Ly49G

**Catalog # / Size:** 137403 / 50 µg

**Clone:** AT8

**Isotype:** Mouse IgG2a, κ

**Immunogen:** IL-2-activated 129/J NK cells

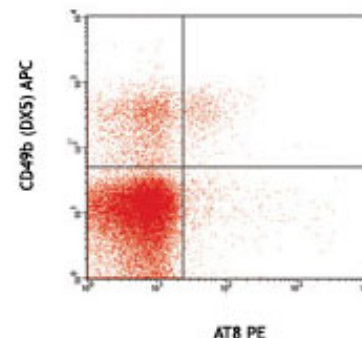
**Reactivity:** Mouse, **Cross-Reactivity:** No

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

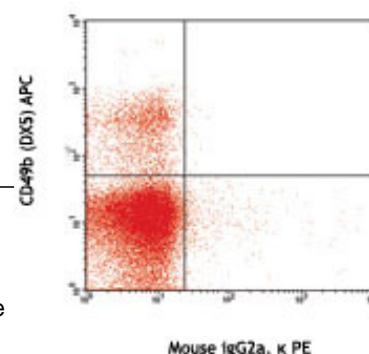
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.2 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Balb/c mouse splenocytes stained with CD49b (DX5) APC and AT8 PE (top) or mouse IgG2a, κ PE isotype control (bottom).



## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is  $\leq 1.0$  µg per  $10^6$  cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application References:** 1. Makrigiannis AP, *et al.* 2004. *J. Immunol.* 172:1414.

**Description:** Ly49G is a type II transmembrane protein belonging to the family of Ly49 proteins, each having specificity for a small repertoire of MHC I alleles that are generally recognized in a peptide-independent manner. The Ly49 family of MHC class I receptors shows a high degree of variability between mouse strains. It is expressed on a subset of NK cells and some NKT cell lines. The AT8 antibody reacts with the Ly49G receptor from BALB/c, 129/J, 129Sv/J, SJL, FVB/N, A/J, C3H/HeJ, C3H/HeNcr, CBA/J, and CBA/Ncr mice.

**Antigen References:** 1. Lavender KJ, *et al.* 2006. *J. Immunol.* 177:8578.  
2. Pascal V, *et al.* 2007. *J. Immunol.* 179:1751.  
3. Lavender KJ, *et al.* 2007. *J. Immunol.* 179:6856.  
4. Rouhi A, *et al.* 2007. *Mol. Immunol.* 44 (5):821.

### Related Products:

Product  
PE Mouse IgG2a, κ Isotype Ctrl  
RBC Lysis Buffer (10X)  
Cell Staining Buffer  
TruStain fcX™ (anti-mouse CD16/32)

Clone  
MOPC-173

93

Application  
FC, ICFC  
FC, ICFC  
FC, ICC, ICFC  
FC



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biollegend.com/ordering#license](http://www.biollegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.