SONY

Product Data Sheet

Purified Mouse IgG1, κ Isotype Ctrl

Catalog # / Size:	2607005 / 50 µg 2607010 / 500 µg
Clone:	MG1-45
Isotype:	Mouse IgG1, κ
Immunogen:	Trinitrophenol + KLH
Preparation:	The immunoglobulin was purified by affinity chromatography.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5

Applications:

Applications:	Other
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis as negative control, and the purity is greater than 95% by SDS-PAGE. Use at concentrations comparable to those of the specific antibody of interest.
Application Notes:	The MG1-45 immunoglobulin is useful as an isotype-matched control (for the relevant formats) for Western blotting, immunoprecipitation, immunohistochemistry, functional assay, immunofluorescence microscopy, immunocytochemistry and immunofluorescent staining (surface or intracellular) for flow cytometric analysis. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 401404) as negative control. For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 401408) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).
Application References:	1. Ozeki M, *et al.* 2008. *J. Leukocyte Biol.* 84:769. PubMed 2. Kraetzel K, *et al.* 2008. *Eur. Respair. J.* 32:563. PubMed 3. de Jong MA, *et al.* 2008. *J Gen Virol.* 89:2398. PubMed 4. Romee R, *et al.* 2012 *Blood.* 120:4751. PubMed. 5. Wong-Baeza I, *et al.* 2013. *J. Immunol.* 190:3216. PubMed.

Description: The isotype of MG1-45 immunoglobulin is mouse IgG1, κ. It was chosen as an isotype control after screening on a variety of resting, activated, live, and fixed mouse, rat and human tissues.