SONY

Product Data Sheet

Purified Armenian Hamster IgG Isotype Ctrl

Catalog # / Size: 2604505 / 50 µg
2604510 / 500 µg

Clone: HTK888

Isotype: Hamster IgG

Immunogen: Trinitrophenol + KLH

Preparation: The immunoglobulin was purified by affinity chromatography.

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

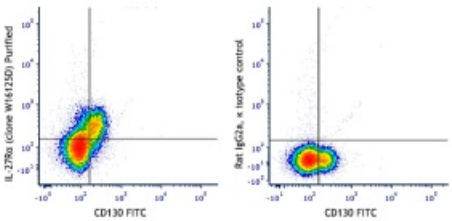
Workshop Number: V S056

Concentration: 0.5

Applications:

Applications: Flow Cytometry, Other, Intracellular Staining for Flow Cytometry, Immunocytochemistry, Immunoprecipitation

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.



C57BL/6 splenocytes were stained with CD130 purified (followed by anti-rat IgG2b FITC) and purified IL-27Rα (clone W16125D) (left) or purified rat IgG2a, κ isotype control (right), followed by anti-rat IgG2a PE.

Application Notes: The HTK888 immunoglobulin is useful as an isotype-matched control (for the relevant formats) for Western blotting, immunoprecipitation, 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. 400916) as negative control. For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 400940) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).

Application References:

1. Lesley R, *et al.* 2006. *P. Natl. Acad. Sci. USA* 103:10717.
2. Yu R, *et al.* 2006. *Obesity* 14:1353.
3. Yang JH, *et al.*2005. *Rheumatology(Oxford).* 44:1245. PubMed
4. Mina-Osorio P, *et al.* 2008. *J. Leukocyte Biol.* 84:448. PubMed
5. Shen H, *et al.* 2009. *J. Am Soc Nephrol.* 20:1032. PubMed

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Description: This antibody was chosen as an isotype control after screening on a variety of resting, activated, live, and fixed mouse, rat and human tissues.

Antigen References:

1. Gratzner HG. 1982. *Science* 218:474.
2. Dolbeare F, *et al.* 1983. *Proc. Natl. Acad. Sci. USA* 80:5573.
3. Dolbeare F, *et al.* 1985. *Cytometry* 6:521.

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