SONY

Product Data Sheet

APC anti-human CD371 (CLEC12A)

Catalog # / Size: 2368025 / 25 tests
2368030 / 100 tests

Clone: 50C1

Isotype: Mouse IgG2a, κ

Immunogen: 293T cells expressing CLEC12A-Flag

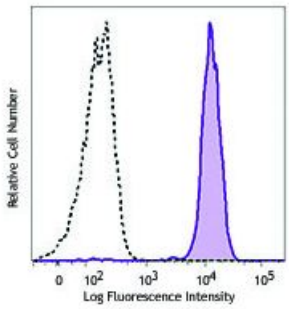
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: HCDM listed

Concentration: Lot-specific

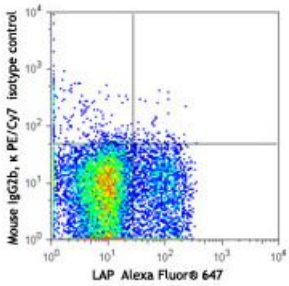


Human peripheral blood monocytes were stained with anti-human CD371 (CLEC12A, clone 50C1) APC (filled histogram) or mouse IgG2a, κAPC isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Application References:

1. Lahoud MH, *et al.* 2009. *J. Immunol.* 182:7587. (FC)
2. Lahoud MH, *et al.* 2011. *J. Immunol.* 187:842. (FC)
3. Neumann K, *et al.* 2014. *Immunity.* 40:389. PubMed

Description: CD371 (CLEC12A), also known as DCAL-2, MICL or CLL-1, is a 30 kD type II transmembrane protein with extracellular C-type lectin domains, belonging to the C-type lectin family. It is expressed on monocytes, granulocytes, NK cells, and basophils. Its cytoplasmic ITIM motif modulates signaling cascades and is involved in phosphorylation of tyrosine residues in MAP kinases.

Antigen References:

1. Lahoud MH, *et al.* 2009. *J. Immunol.* 182:7587.
2. Chen CH, *et al.* 2006. *Blood* 107:1459.
3. Marshall AS, *et al.* 2004. *J. Biol. Chem.* 279:14792.

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

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com