SONY

Product Data Sheet

APC anti-human CD1a

Catalog # / Size: 2324540 / 100 tests
2324535 / 25 tests

Clone: SK9

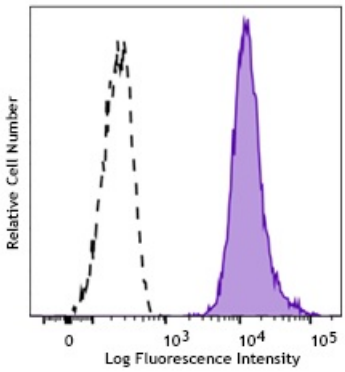
Isotype: Mouse IgG2b, κ

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)

Concentration: Lot-specific



Human T lymphoblastic leukemia cell line Molt-4 stained with anti-human CD1a (clone SK9) APC (filled histogram) or mouse IgG2b, κ APC 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 in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported application (for the relevant formats) includes: immunoprecipitation and immunohistochemical staining of frozen sections.[2]

Application References:

1. Wood GS, *et al.* 1983. *J. Immunol.* 131:212.
2. Facy V, *et al.* 2005. *Toxicol in Vitro*. 6:787-95.

Description: CD1a is a 49 kD member of the immunoglobulin superfamily also known as T6 and R4. It is a type I membrane glycoprotein with structural similarities to MHC class I and is non-covalently associated with β2-microglobulin. CD1a plays a role in non-peptide glycolipid antigen presentation to CD1-restricted T cells. It is expressed on cortical double positive and single positive thymocytes, Langerhans cells, and dendritic cells. In addition to antigen presentation, CD1a has been implicated in thymic T cell development.

Antigen References:

1. Wood GS, *et al.* 1983. *J. Immunol.* 131:212.
2. Wood GS, *et al.* 1985. *Am. J. Pathol.* 120:371.
3. Martin LH, *et al.* 1987. *P. Natl. Acad. Sci. USA* 84:9189.