SONY

Product Data Sheet

FITC anti-human Lineage Cocktail (CD3/14/16/19/20/56)

Catalog # / Size: 2344005 / 50 tests

Clone: UCHT1, HCD14, 3G8, HIB19, 2H7, HCD56

Isotype: Mouse IgG1, κ, Mouse IgG2b, κ

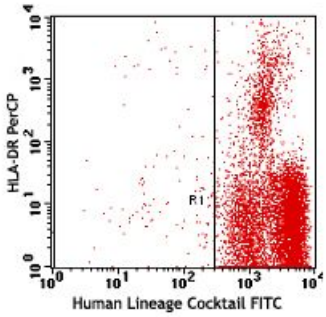
Reactivity: Human

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

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Workshop Number: IV 103

Concentration: Lot-specific

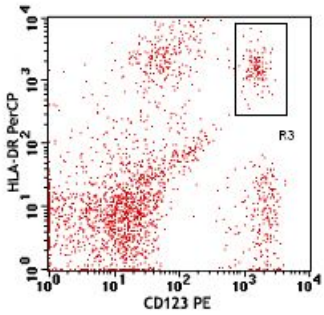


Human peripheral blood leukocytes co-stained with CD123 PE and HLA-DR PerCP (gated on the Lineage negative/dim population)

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 20 µl per million cells or 20 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Human peripheral blood leukocytes co-stained with CD123 PE and HLA-DR PerCP (gated on the Lineage negative/dim population)

Application References:

1. Zola H, *et al.* Eds. 2007. Leukocyte and Stromal Cell Molecules. New Jersey. (FC)
2. Doherty TA, *et al.* 2012. *Am J Physiol Lung Cell Mol Physiol.* 303:577. PubMed.

Description: This anti-Human Lineage Cocktail is optimized for the detection of human peripheral blood T cells, B cells, NK cells, monocytes, and neutrophils. In combination with other markers, it can be used for studies of dendritic cells and/or basophils. This cocktail is composed of CD3, CD14, CD16, CD19, CD20, and CD56. CD3 is the antigen mainly found on T cells; CD14 is expressed on monocytes/macrophages and at low levels on neutrophils and eosinophils; CD16 is expressed on NK cells, activated monocytes/macrophages, and neutrophils; CD19 and CD20 are on B cells; CD56 is located on NK cells.

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Antigen References:

1. Zola H, *et al.* Eds. 2007. Leukocyte and Stromal Cell Molecules. New Jersey.
2. Olweus J, *et al.* 1997. *P. Natl. Acad. Sci. USA* 94:12551.
3. Banchereau J, *et al.* Eds. 1995. Advances in Experimental Medicine and Biology. New York.
4. Markowicz S, *et al.* 1990. *J. Clin. Invest.* 85:955.
5. Freudenthal P, *et al.* 1990. *P. Natl. Acad. Sci. USA* 87:7698.
6. Macdonald K, *et al.* 2002. *Blood* 100:4512.
7. Piccioli D, *et al.* 2007. *Blood* 109:5371.

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