

Technical Data Sheet

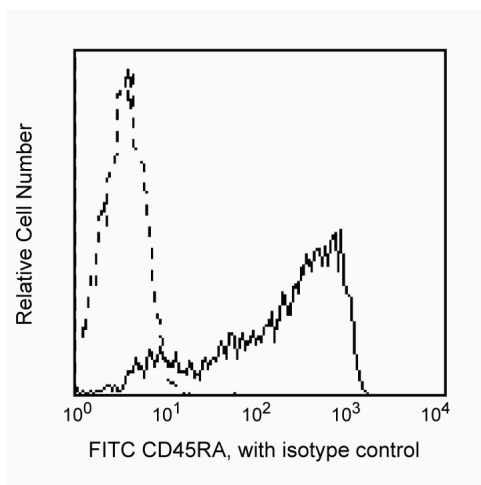
FITC Mouse Anti-Human CD45RA

Product Information

Material Number:	556626
Size:	50 tests
Vol. per Test:	20 µl
Clone:	5H9
Isotype:	Mouse IgG1, κ
Reactivity:	Human QC Testing: Baboon or Rhesus or Cynomolgus
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Clone 5H9 reacts with the human form of the antigen (LCA), CD45RA. This clone also Relative Cell Numbercross-reacts with peripheral blood lymphocytes, monocytes and some granulocytes of baboon and both rhesus and cynomolgus macaque monkeys. The observed frequency of CD45RA positive lymphocytes is higher in the non-human primate compared to what is seen with normal human donor lymphocytes.



Profile of anti-CD45RA reactivity on peripheral blood lymphocytes of Rhesus macaque (*Macaca mulatta*) analyzed by flow cytometry

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
556649	FITC Mouse IgG1, κ Isotype Control	50 tests	MOPC-21

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Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10⁶ cells in a 100- μ l experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

- Knapp W, Dorken B, Rieber EP, et al, ed. *Leucocyte Typing IV*. New York: Oxford University Press; 1989.(Biology)
- Reimann KA, Waite BC, Lee-Parritz DE, et al. Use of human leukocyte-specific monoclonal antibodies for clinically immunophenotyping lymphocytes of rhesus monkeys. *Cytometry*. 1994; 17(1):102-108.(Biology)
- Sopper S, Stahl-Hennig C, Demuth M, Johnston IC, Dorries R, ter Meulen V. Lymphocyte subsets and expression of differentiation markers in blood and lymphoid organs of rhesus monkeys. *Cytometry*. 1997; 29(4):351-362.(Biology)