

**PE anti-human CD26**

**Catalog # / Size:** 2113525 / 25 tests  
2113530 / 100 tests

**Clone:** BA5b

**Isotype:** Mouse IgG2a, κ

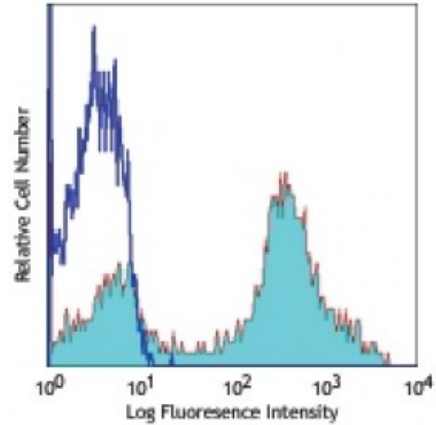
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

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

**Workshop Number:** VI N-L078

**Concentration:** Lot-specific



Human peripheral blood lymphocytes stained with BA5b PE

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

- Application References:**
1. Kishimoto T, *et al.* Eds. 1997. Leucocyte Typing VI. Garland Press. London.
  2. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
  3. Wang S, *et al.* 2010. *Nephrol Dial Transplant.* [PubMed](#)
  4. Cadosch D, *et al.* 2010. *Injury.* 41:4. [PubMed](#)
  5. Scheuplein VA, *et al.* J Virol. 89:3859. [PubMed](#)

**Description:** CD26 is a 110 kD type II membrane protein also known as ADA-binding protein and dipeptidyl peptidase IV (DPP-IV). It is a member of the peptidase and ectoenzyme family. CD26 is expressed on the membrane of mature thymocytes, T lymphocytes (upregulated upon activation), B cells, NK cells, and macrophages. CD26 cleaves off N-terminal X-Pro and X-Ala dipeptides from polypeptides. It plays an integral role as a costimulatory molecule in T cell activation. CD26 may interact with extracellular matrix proteins such as fibronectin or collagen, CD45 and ADA.

- Antigen References:**
1. Kameoka J, *et al.* 1993. *Science* 261:466.
  2. Dang N, *et al.* 1990. *J. Exp. Med.* 172:649.