

Alexa Fluor® 647 anti-human CD162

Catalog # / Size: 2244045 / 25 tests
2244050 / 100 tests

Clone: KPL-1

Isotype: Mouse IgG1, κ

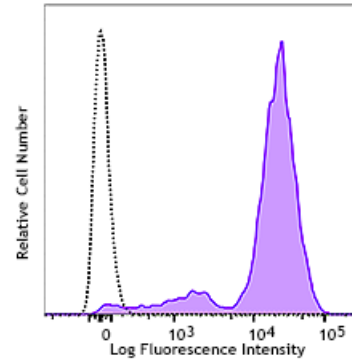
Immunogen: PSGL-1 transfected murine 300.19 pre B-cell line

Reactivity: Human, Non-human primate, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

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

Concentration: Lot-specific



Human peripheral blood was stained with CD162 (clone KPL-1) Alexa Fluor® 647 (filled histogram) or mouse IgG1, κ isotype control (clone MOPC-21) Alexa Fluor® 647 (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.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

Application Notes: Clone KPL-1 is reported to recognize the tyrosine sulfation consensus motif of PSGL-1¹. Additional reported applications (for the relevant formats) include: Western Blot¹, immunoprecipitation², immunohistochemical staining of acetone-fixed frozen tissue sections and formalin-fixed paraffin embedded tissue sections¹, blocks the recognition of PSGL-1 with P- and L-selectin¹.

Application References: 1. Snapp KR, *et al.* 1998. *Blood* 91:154.

Description: CD162, also known as p-selectin glycoprotein ligand-1 (PSGL-1), is a 120 - 220 kD, mucin-like type I transmembrane glycoprotein. CD162 binds to CD62P (P-Selectin), CD62E (E-Selectin) and CD62L (L-Selectin). The interactions between P-selectin and P-selectin glycoprotein ligand-1 (PSGL-1) mediate the earliest "rolling" of leukocytes on the luminal surface of activated endothelium, and the interaction between leukocytes and activated platelets or other leukocytes found at sites of inflammation. CD162 is expressed on neutrophils, monocytes, and most lymphocytes including NK and T cells but PSGL-1 stains B cells at significantly lower levels than other cell types.

Antigen 1. Snapp KR, et al. 1998. *Blood* 91:154.
References: