

CD162 (PSGL-1) Monoclonal Antibody (FLEG), PE, eBioscience™

Product Details

Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	FLEG
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2572585

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	1 Publication

Product Specific Information

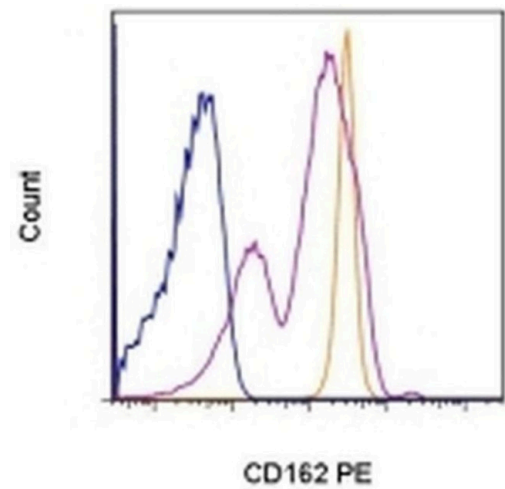
Description: This FLEG monoclonal antibody recognizes human CD162, which is also known as P-selectin glycoprotein ligand-1 (PSGL-1). This 120-kDa protein exists as a homodimer on the surface of monocytes, neutrophils, granulocytes, peripheral T cells, some B cells, and a subset of CD34+ hematopoietic progenitor cells (HPCs) in the bone marrow. CD162 binds CD62P (P-selectin), CD62E (E-selectin), and CD62L (L-selectin) to mediate leukocyte interactions with each other as well as with activated platelets and endothelium. Thus, CD162 plays a critical role in leukocyte adhesion and rolling. Furthermore, the binding of CD162 to P-selectin on HPCs has been demonstrated to inhibit hematopoiesis. Studies have also demonstrated CD162 as the receptor for enterovirus 71.

Applications Reported: This FLEG antibody has been reported for use in flow cytometric analysis.

Applications Tested: This FLEG antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.06 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD162 (PSGL-1) Antibody (12-1629-42) in Flow
Staining of normal human peripheral blood cells with Mouse IgG2a K Isotype Control PE (Product # 12-4724-81) (blue histogram) or Anti-Human CD162 (PSGL-1) PE (purple histogram). Cells in the lymphocyte gate were used for analysis. The orange histogram shows staining of Anti-Human CD162 (PSGL-1) PE on granulocytes.

1 Reference

Flow Cytometry (1)

The Journal of clinical investigation	Year
Accelerated resolution of inflammation underlies sex differences in inflammatory responses in humans.	2017
"Published figure using CD162 (PSGL-1) monoclonal antibody (Product # 12-1629-42) in Flow Cytometry"	
Authors: Rathod KS,Kapil V,Velmurugan S,Khambata RS,Siddique U,Khan S, Van Eijl S,Gee LC,Bansal J,Pitrola K, Shaw C,D'Acquisto F,Colas RA,Marelli-Berg F,Dalli J,Ahluwalia A	

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