

## Technical Data Sheet

## Purified Mouse Anti-Human CD162

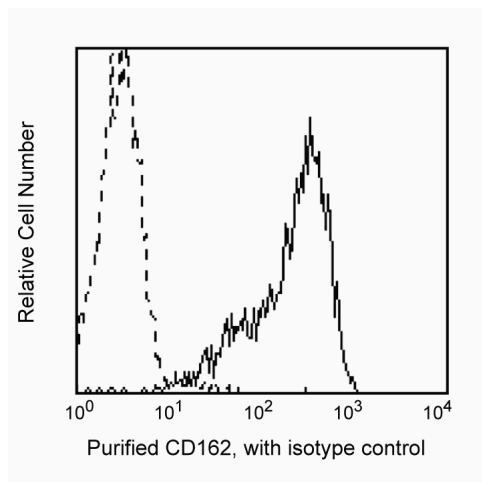
## Product Information

<b>Material Number:</b>	556053
<b>Alternate Name:</b>	PSGL-1, p-selectin glycoprotein ligand-1
<b>Size:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	KPL-1
<b>Isotype:</b>	Mouse IgG1 $\kappa$
<b>Reactivity:</b>	QC Testing: Human
<b>Workshop:</b>	NA
<b>Storage Buffer:</b>	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

Reacts with p-selectin glycoprotein ligand-1 (PSGL-1), a 120 - 220 kDa, mucin-like type I transmembrane glycoprotein. CD162 is expressed on neutrophils, monocytes, and most lymphocytes. CD162 binds to CD62P (P-Selectin), CD62E (E-Selectin) and CD62L (L-Selectin). This molecule mediates rolling of leukocytes on activated endothelium and the interaction between leukocytes and activated platelets or other leukocytes found at inflammatory sites. It has also been reported that this clone completely inhibits the interaction between P-Selectin and either CD4-T cells or neutrophils.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



*Profile of CD162 expressed on peripheral blood lymphocytes analyzed on a FACScan (BDIS, San Jose, CA)*

## Preparation and Storage

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

Store undiluted at 4° C.

## Application Notes

## Application

Flow cytometry	Routinely Tested
Western blot	Tested During Development
Blocking	Reported
Immunoprecipitation	Reported

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## Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
555746	Purified Mouse IgG1 Kappa Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Gt/Ms

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.
3. 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.

## References

Barclay NA, Brown MH, Birkeland ML, et al, ed. *The Leukocyte Antigen FactsBook*. San Diego, CA: Academic Press; 1997.(Biology)  
Snapp KR, Ding H, Atkins K, Warnke R, Luscinskas FW, Kansas GS. A novel P-selectin glycoprotein ligand-1 monoclonal antibody recognizes an epitope within the tyrosine sulfate motif of human PSGL-1 and blocks recognition of both P- and L-selectin. *Blood*. 1998; 91(1):154-164.(Clone-specific)