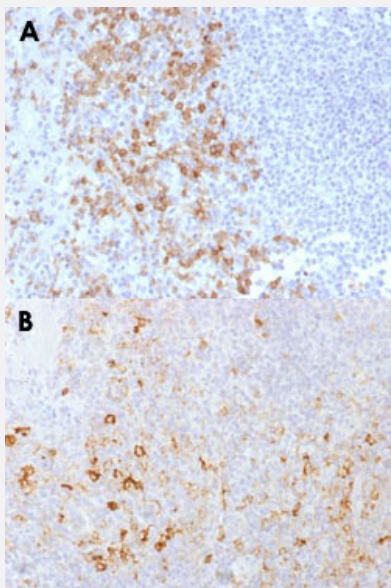


SELPLG monoclonal antibody, clone PSG1/1601

Catalog # MAB14985 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human spleen (A) and human tonsil (B) with SELPLG monoclonal antibody, clone PSG1/1601 (Cat # MAB14985).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human SELPLG.
Immunogen	Recombinant protein corresponding to full length human SELPLG.
Host	Mouse
Theoretical MW (kDa)	43-120
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1

Recommend Usage

Flow Cytometry (0.5-1 ug/10⁶ cells)
Immunofluorescence (0.5-1 ug/mL)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer

In 10 mM PBS.

Storage Instruction

Store at -20 to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human spleen (A) and human tonsil (B) with SELPLG monoclonal antibody, clone PSG1/1601 (Cat # MAB14985).

- Immunofluorescence

- Flow Cytometry

Gene Info — SELPLG

Entrez GeneID

[6404](#)

Protein Accession#

[Q14242](#)

Gene Name

SELPLG

Gene Alias

CD162, CLA, PSGL-1, PSGL1

Gene Description

selectin P ligand

Omim ID

[600738](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

SELPLG is the high affinity counter-receptor for P-selectin on myeloid cells and stimulated T lymphocytes. As such, it plays a critical role in the tethering of these cells to activated platelets or endothelial cells expressing P-selectin. The organization of the SELPLG gene closely resembles that of CD43 and the human platelet glycoprotein GpIb-alpha both of which have an intron in the 5-prime-noncoding region, a long second exon containing the complete coding region, and TATA-less promoters. [provided by RefSeq]

Other Designations

cutaneous lymphocyte-associated antigen

Publication Reference

- [Structure and function of the selectin ligand PSGL-1.](#)

Cummings RD.

Brazilian Journal of Medical and Biological Research 1999 May; 32(5):519.

- [The biology of P-selectin glycoprotein ligand-1: its role as a selectin counterreceptor in leukocyte-endothelial and leukocyte-platelet interaction.](#)

Yang J, Furie BC, Furie B.

Thrombosis and Haemostasis 1999 Jan; 81(1):1.

Application: Func, IHC, WB-Tr, Human, Rat, Kidneys, Mammalian cells

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Antiphospholipid Syndrome](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Accident](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)

- [Glioma](#)
- [Hemorrhagic Disorders](#)
- [Inflammation](#)
- [Ischemia](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Stroke](#)
- [Thromboembolism](#)
- [Thrombosis](#)
- [Venous Thrombosis](#)