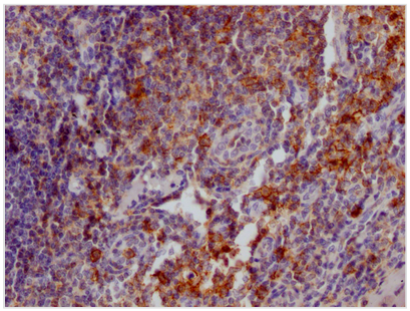
SELPLG Antibody

Product Code	CSB-RA567010A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q14242
Immunogen	A synthesized peptide derived from human CD162
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
Relevance	A SLe(x)-type proteoglycan, which through high affinity, calcium-dependent interactions with E-, P- and L-selectins, mediates rapid rolling of leukocytes over vascular surfaces during the initial steps in inflammation. Critical for the initial leukocyte capture.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cardiovascular; Immunology
Gene Names	SELPLG
Accession NO.	3G11

Image



IHC image of CSB-RA567010A0HU diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

SELPLG codes for PSGL-1, which serves as an adhesion molecule involved in immune cell trafficking and also as a regulator of many facets of immune responses by myeloid cells. PSGL-1 also regulates T cell migration during homeostasis and inflammatory settings. PSGL-1 has also been shown to

regulate the localization of macrophages, dendritic cells, and B cells in the lamina propria at a steady state. Additionally, PSGL-1 mediates the adhesion of neutrophils and monocytes to P-selectin expressed on platelets that become bound to inflamed endothelium. Platelets also utilize PSGL-1 to adhere to the vasculature, suggesting that it is important for the formation of cellular complexes that function in pathogen clearance.

The main production processes of this recombinant SELPLG antibody included immunization, B cell harvest, antibody secreting cell enrichment, single cell sequencing, antibody expression and purification. The single B cell screening platform was used for the SELPLG antibody gene screening. And this SELPLG antibody was tested in ELISA, IHC.