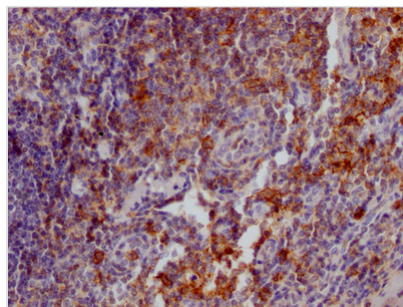




# SELPLG Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA567010A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q14242
<b>Immunogen</b>	A synthesized peptide derived from human CD162
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
<b>Relevance</b>	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.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Cardiovascular; Immunology
<b>Gene Names</b>	SELPLG
<b>Clone No.</b>	3G11

## Image



IHC image of CSB-RA567010A0HU diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond<sup>TM</sup> 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? overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

## Description

The SELPLG recombinant monoclonal antibody is produced through a four-step process: sequencing the SELPLG monoclonal antibody gene, cloning the gene into a plasmid vector, introducing the recombinant vector into a host cell line, and purifying the SELPLG recombinant monoclonal antibody from the cell



culture supernatant via affinity chromatography. The SELPLG monoclonal antibody is derived from hybridomas that produce the SELPLG antibody. In the production of the SELPLG monoclonal antibody, a synthesized peptide derived from human SELPLG is used as the immunogen. The SELPLG recombinant monoclonal antibody has been validated for use in ELISA and IHC applications to detect human SELPLG protein.

The SELPLG protein, also known as P-selectin glycoprotein ligand-1, plays a crucial role in the recruitment and activation of leukocytes during inflammation and immune responses. It binds to P-selectin on activated endothelial cells and promotes leukocyte rolling and adhesion to the site of inflammation or injury. This protein is expressed on the surface of leukocytes, particularly on neutrophils, monocytes, and lymphocytes. It is also involved in other biological processes such as angiogenesis and tumor metastasis.