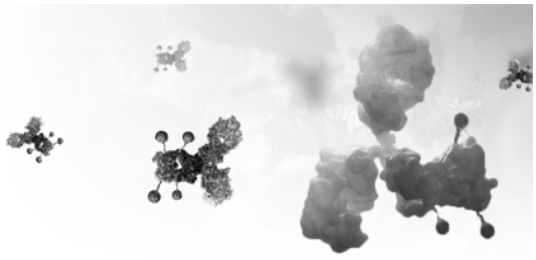

Human SELPLG peptide (DAG-P0288)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a glycoprotein that functions as a high affinity counter-receptor for the cell adhesion molecules P-, E- and L- selectin expressed on myeloid cells and stimulated T lymphocytes. As such, this protein plays a critical role in leukocyte trafficking during inflammation by tethering of leukocytes to activated platelets or endothelia expressing selectins. This protein requires two post-translational modifications, tyrosine sulfation and the addition of the sialyl Lewis x tetrasaccharide (sLex) to its O-linked glycans, for its high-affinity binding activity. Aberrant expression of this gene and polymorphisms in this gene are associated with defects in the innate and adaptive immune response. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2011]
Specificity	Expressed on neutrophils, monocytes and most lymphocytes.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SELPLG selectin P ligand [Homo sapiens (human)]
Official Symbol	SELPLG
Synonyms	SELPLG; selectin P ligand; CLA; CD162; PSGL1; PSGL-1; P-selectin glycoprotein ligand 1; cutaneous lymphocyte-associated associated antigen;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Entrez Gene ID	6404
mRNA Refseq	NM_001206609.1
Protein Refseq	NP_001193538.1
UniProt ID	Q14242
Chromosome Location	12q24
Pathway	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Staphylococcus aureus infection, organism-specific biosystem; Staphylococcus aureus infection, conserved biosystem; amb2 Integrin signaling, organism-specific biosystem;
Function	protein binding; receptor binding;

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