



Anti-SELP polyclonal antibody [Biotin] (DPABY-577)

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

PRODUCT INFORMATION

Antigen Description	The Selectin family is comprised of three members, E-Selectin, L-Selectin, and P-Selectin. E-Selectin [endothelial leukocyte adhesion molecule-1 (ELAM-1), CD62E] is transiently expressed on vascular endothelial cells in response to IL-1 beta and TNF-alpha. The human and rat proteins share approximately 67% amino acid sequence identity. The mouse and rat proteins share approximately 78% amino acid sequence identity. L-Selectin (Leukocyte Selectin, LAM-1, LECAM-1, LECCAM-1, TQ1, Leu-8, MEL-14 antigen, DREG, lymph node homing receptor, CD62L) is expressed constitutively on a wide variety of leukocytes. Two forms of L-Selectin have been reported, apparently arising as a result of post-translational modifications. Human and mouse L-Selectin share 76% amino acid sequence identity. Human P-Selectin (GMP-140, LECAM-3, PADGEM, CD62P) is expressed by activated platelets and endothelial cells. The extracellular domains of human and mouse P-Selectin share approximately 73% amino acid sequence identity.
Specificity	Detects mouseP-Selectin/CD62P in ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant humanP-Selectin, recombinant mouse (rm)E-Selectin, and rmL-Selectin is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse P-Selectin/CD62P. Met1-Asp184 (Ser2Asn, Ala21Thr, Gln51Pro, Asn57Thr) Accession Number O60565
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen Affinity-purified
Conjugate	Biotin

Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.
Preservative	None
Storage	Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° C to - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at - 20 -70° C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Selp selectin, platelet [Mus musculus (house mouse)]
Official Symbol	SELP
Synonyms	SELP; selectin, platelet; Grmp; CD62P; LECAM3; PADGEM; GMP-140; P-selectin; granule membrane protein 140; CD62 antigen-like family member P; leukocyte-endothelial cell adhesion molecule 3; platelet activation dependent granule-external membrane protein;
Entrez Gene ID	20344
Protein Refseq	NP_035477
UniProt ID	Q01102
Chromosome Location	1 H2.2; 1 71.42 cM
Pathway	Cell adhesion molecules (CAMs); Cell surface interactions at the vascular wall; Hemostasis; IL-3 Signaling Pathway; Malaria; Platelet activation, signaling and aggregation; Platelet degranulation; Response to elevated platelet cytosolic Ca2+;
Function	calcium-dependent protein binding; carbohydrate binding; fucose binding; glycoprotein binding; heparin binding; lipopolysaccharide binding; oligosaccharide binding; protein binding; sialic acid binding;