



# Anti-SELP monoclonal antibody, clone 238044 (DCABY-4047)

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

## PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Antigen Description</b> | 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. |
| <b>Specificity</b>         | Detects mouse P-Selectin/CD62P in ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant mouse (rm) L-Selectin, rmE-Selectin, or recombinant human P-Selectin is observed.  |
| <b>Immunogen</b>           | Mouse myeloma cell line NS0-derived recombinant mouse P-Selectin/CD62P. Trp42-Ala709<br>Accession Number Q01102   |
| <b>Isotype</b>             | IgG2b   |
| <b>Source/Host</b>         | Rat   |
| <b>Species Reactivity</b>  | Mouse   |
| <b>Clone</b>               | 238044  |
| <b>Purification</b>        | Protein A or G purified from hybridoma culture supernatant  |

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|---------------------|--|
| <b>Conjugate</b>    | Unconjugated   |
| <b>Applications</b> | Western Blot, ELISA Capture (Matched Pair)   |
| <b>Format</b>       | Liquid   |
| <b>Size</b>         | 500 µg   |
| <b>Buffer</b>       | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.   |
| <b>Preservative</b> | None   |
| <b>Storage</b>      | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.<br>12 months from date of receipt, -20 to -70 °C as supplied.<br>1 month, 2 to 8 °C under sterile conditions after reconstitution.<br>6 months, -20 to -70 °C under sterile conditions after reconstitution. |

## GENE INFORMATION

|                            |   |
|----------------------------|---|
| <b>Gene Name</b>           | <a href="#">Selp selectin, platelet [ Mus musculus (house mouse) ]</a>  |
| <b>Official Symbol</b>     | SELP  |
| <b>Synonyms</b>            | 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; |
| <b>Entrez Gene ID</b>      | <a href="#">20344</a>   |
| <b>Protein Refseq</b>      | <a href="#">NP_035477</a>   |
| <b>UniProt ID</b>          | <a href="#">Q01102</a>  |
| <b>Chromosome Location</b> | 1 H2.2; 1 71.42 cM  |
| <b>Pathway</b>             | 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+;            |
| <b>Function</b>            | calcium-dependent protein binding; carbohydrate binding; fucose binding; glycoprotein binding; heparin binding; lipopolysaccharide binding; oligosaccharide binding; protein binding; sialic acid binding;  |