

L-selectin/CD62L Protein, Mouse (3332a.a, HEK293, His)

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| Cat. No.: | HY-P74766 |
| Synonyms: | L-selectin; Sell; CD62 antigen-like family member L; LECAM1; CD62L; LAM-1 |
| Species: | Mouse |
| Source: | HEK293 |
| Accession: | P18337 (M1-N332) |
| Gene ID: | 20343 |
| Molecular Weight: | 70-80 kDa |

PROPERTIES

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| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. |
| Endotoxin Level | <1 EU/ μ g, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | L-selectin, a calcium-dependent lectin, plays a crucial role in cell adhesion through its binding to glycoproteins on adjacent cells. Specifically, it facilitates the attachment of lymphocytes to endothelial cells in high endothelial venules within peripheral lymph nodes, promoting the initial tethering and rolling of leukocytes along the endothelium. This process requires the interaction of L-selectin with SELPLG/PSGL1 and PODXL2, which is dependent on the sialyl Lewis X glycan modification of SELPLG and PODXL2, as well as the tyrosine sulfation modifications of SELPLG. Notably, the sulfation of 'Tyr-51' on SELPLG is of particular importance for the binding of L-selectin. |
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Caution: Product has not been fully validated for medical applications. For research use only.

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