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Recombinant Human E-Selectin
Catalog # PBG10087

Specification

Recombinant Human E-Selectin - Product Information

Recombinant Human E-Selectin - Additional Information

Description
Selectins are a family of calcium-dependent type 1 transmembrane proteins. Endothelial (E)-selectin is a heavily glycosylated transmembrane protein expressed by activated endothelial cells in microvascular linings. E-selectin, along with P-selectin and L-selectin, initiate recruitment of circulating leukocytes from blood to sites of inflammation in the vascular lining through interaction with specific cell surface associated carbohydrate determinants. E-selectin consists of an N-terminal type 1 lectin domain, an EGF-like domain, 6 sushi (CCP/SCR) domains, a transmembrane sequence, and a short cytoplasmic domain. Recombinant human E-selectin is a 58.6 kDa protein containing 535 amino acid residues, corresponding to the extracellular portion of the full length protein. Due to glycosylation, E-selectin migrates at an apparent molecular weight of approximately 65-85 kDa by SDS-PAGE analysis under reducing conditions.

BiologicalActivity
Measured by its ability to support adhesion of U937 cells, a human hystiocytic lymphoma cell line.

Authenticity
Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content
Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage
-20°C

Precautions
Recombinant Human E-Selectin is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human E-Selectin - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence

- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Recombinant Human E-Selectin - Images