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Recombinant Human VAP-1
Catalog # PBG10467

Specification

Recombinant Human VAP-1 - Product Information

Recombinant Human VAP-1 - Additional Information

Description
VAP-1 is a type II membrane cell adhesion protein belonging to the copper/topaquinone oxidase family. It is primarily expressed on the high endothelial venules of peripheral lymph nodes and on hepatic endothelia. VAP-1 can catalyze the oxidative deamination of low molecular weight amines, and plays an important role in the migration of lymphocytes to inflamed tissue. Inhibition of VAP-1 can protect against inflammation related damage to certain injured tissues. Additionally, VAP-1 can function as a significant prognostic marker for certain cancers and cardiovascular diseases. Recombinant VAP-1 is a mixture of monomeric and disulfide linked homodimeric forms of a 737 amino acid polypeptide corresponding to amino acids 27 to 763 of the VAP-1 precursor.

BiologicalActivity
Measured by its ability to produce hydrogen peroxide during the oxidation of benzylamine. The specific activity >16 pMoles/min/µg of VAP-1.

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 VAP-1 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human VAP-1 - 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 VAP-1 - Images