



Monoclonal Antibody to Anti-Human CD62P

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
CD 62P

Antibody Formats Supplied

- 5 ml of anti CD62P, Ready-To-Use
- 0.2 ml of anti CD62P, Concentrate

PRODUCT# IMI17061E (Ready-To-Use)

PRODUCT# IMI17052E (Concentrate)

SOURCE: Cultured supernatant

IMMUNOGEN: Domains of CD62 molecule

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: C34

REACTIVITY

CD62P also known as p-selectin is expressed on endothelial cells and clear staining of capillaries is observed in almost all tissues, platelet staining is also observed. CD62P is involved in mediating the interaction of activated platelets with neutrophils and monocytes. It is also responsible for the attachment of neutrophils to activated endothelium. CD62P antigen binds to the carbohydrate portion of sialyl-Lewis present on neutrophils and to galactosyl ceramides on neutrophils. CD62P antibody reacts. This antibody is suitable for use on routinely fixed paraffin embedded or frozen sections or cell smears.

POSITIVE CONTROL TISSUE: Skin, Tonsil

STAINING PATTERN: Cytoplasmic and Membrane staining

Antibody FORMATS, DILUTIONS and INCUBATIONS

Monoclonal mouse anti CD62P (P-selectin) antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% sodium azide. This antibody is available in:

5 ml of Ready-To-Use, Do not dilute. Incubate for 30-minutes to 1- hour. For animal tissues incubate for 1-hour. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free and easy retrieval, Innovex Uni-Trieve (65°-80°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-80°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the Uni-Trieve solution and slides to 65°-80°C and let slides incubate at 65°-80°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

0.2 ml of concentrated: The suggested starting dilution for 30-minutes to 1-hour incubation is 1:50 for paraffin sections. **For animal tissues incubate for 1-hour.** The ultimate working dilution and incubation time must be determined by the end user for the incubation time and the secondary reagents employed.

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The above dilutions and incubation times were derived by the use of Innovex STAT-Q detection system. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed

APPLICATIONS

This antibody is intended for use in immunolocalization of CD62P antigen in human tissue by a variety of immunoassays such as Immunochemistry, ELISA, Immunoblotting, dot blotting and for use in functional assays in adhesion research. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of CD62P antigen. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human has been substantiated, other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

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