



Monoclonal Antibody to Anti-Human CD71 (TRANSFERRIN RECEPTOR)

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
CD 71 (Transferrin Receptor)

Antibody Formats Supplied

- 5 ml of anti CD71 (Ready-To-Use)
- 0.2 ml of anti CD71, (Concentrate)

PRODUCT# IMI17361E (Ready-To-Use)

PRODUCT# IMI17352E (Concentrate)

SOURCE: Cultured supernatant

IMMUNOGLOBULIN ISOTYPE: IgG

Clone: M-A712

REACTIVITY

CD71, The human Transferrin Receptor is expressed on a number of mononuclear and polymorphonuclear cells such as monocytes, thymocytes, B and T cells, granulocytes, peripheral blood lymphocytes, NK cells and on proliferating lymphoblasts. CD71 is virtually absent from resting peripheral blood lymphocytes. CD71 is used in the study of cellular proliferation and lymphocyte activation. This antibody is suitable for use on routinely fixed paraffin embedded or frozen sections or cell smears.

STAINING PATTERN: Membrane staining

POSITIVE CONTROL TISSUE: Tonsil

Antibody FORMATS, DILUTIONS and INCUBATIONS

This Monoclonal mouse anti CD71 (Transferrin Receptor) 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 pre-diluted, Ready-To-Use, Do not dilute. Incubate for 30 minutes. This antibody best stains with Retrieval when staining formalin fixed paraffin sections.**

For Background-Free retrieval, Innovex Uni-Trieve (60°C -70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up a water bath or an oven to 60°C -70°C and fill a slide-holding container with Uni-Trieve solution. Place slides in a slide rack or in a coplin jar, fill the container with Uni-Trieve solution, bring the Uni-Trieve solution containing the slides to 60°C - 70°C and hold slides in warm Uni-Trieve solution for 30 minutes. Rinse slides with 2 quick changes of water. No cooling period is required. Proceed with immunostaining.

- 0.2 ml of Concentrate: The suggested starting dilution for 30-minute incubation is 1:30-1:50 for paraffin sections and 1:60- 100 for frozen sections. The ultimate working dilution and incubation time must be determined by the end user for the tissue specimen and the secondary staining reagents employed. This antibody best stains with retrieval when staining formalin fixed paraffin sections.**

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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 CD71 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 CD71 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 maybe 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.

FOR IN VITRO RESEARCH USE ONLY