



## Monoclonal Antibody to Anti-Human CD71 (TRANSFERRIN RECEPTOR)

### *Technical Data Sheet*

#### Reagent Category

Monoclonal primary antibody to  
CD 71 (Transferrin Receptor)

NBMAB770P (Ready-To-Use)  
NBMAB770C (Concentrate)

#### Antibody Formats Supplied

- 7 ml of anti CD71 (Ready-To-Use)
- 0.5 ml of anti CD71, (Concentrate)

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**SOURCE:** Cultured supernatant

**IMMUNOGLOBULIN ISOTYPE:** IgG

**Clone:** RVS

#### **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:

- 7 ml of pre-diluted, Ready-To-Use, Do not dilute. Incubate for 10-30 minutes.**
- 0.5 ml of concentrated.** The working titer must be determined by the end user.

*The above dilutions and incubation times were derived by the use of 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*

#### **SPECIAL USAGE GUIDANCE**

No pre-treatment is necessary with this antibody, however, the use of Enhancing wash buffers

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For research only. Not for human or diagnostic use.

Phosphatase staining) is highly recommended. The use of signal-Enhancing wash buffers produce great staining even for weak or overfixed tissues in a single try and without repetitive procedures. They also further allow the user to cut primary incubation time and/or increase antibody dilution.

#### **APPLICATIONS**

This antibody is intended for use in immunolocalization of CD71 antigen in human tissue by a variety of immunoassays such as Immunocytochemistry, ELISA, Immunoblotting, dot blotting and for use in functional assays in adhesion research. In immunocytochemistry, 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 the expiration date noted on the vial label. Avoid multiple freeze-thaw cycles, which can greatly reduce antibody performance and stability.

#### **IMPORTANT NOTE:**

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

GENTAUR