Monoclonal Antibody CD77

PN IM0175 – Purified – Liquid - 100 tests — 20 µL / test – Clone 38.13

For Research Use Only. Not for use in diagnostic procedures.

SPECIFICITY
The CD77 antigen is neutral glycosphingolipid of the globoseries globotriaosylceramide (Gb3). It is known as the Pk blood group antigen, a normal intermediate in the biosynthetic pathway of the P blood group antigen. CD77 is also present as an antigen of germinal centre B lymphocytes entering apoptosis. It is expressed by endothelial cells. Studies have shown that the antigen may be associated with a Burkitt’s Lymphoma-associated Antigen (BLA).

Reacts with red blood cells of phenotype p₁ or p₂, activated B cells in agglutination assay at 4°C and the radioactive Coombs test. Does not react with P or P2 red cells; slightly agglutinates P1 red cells after papain treatment (anti-p K activity) (1-4).

REAGENT
CD77 - Monoclonal Antibody
PN IM0175 – Purified – Liquid – 100 tests – 20 µL / test.

Clone 38.13
Isotype IgM , Rat
Immunogen Daudi Cell line (Burkitt’s Lymphoma)
Hybridoma Myeloma SP2/0-Ag 14x Lewis rat spleen cells
Source Ascites fluid
Purification Gel Filtration

REAGENT CONTENTS
This antibody is provided in phosphate-buffered saline pH 7.4, containing 0.1% sodium azide and 2 mg/mL bovine serum albumin.

APPLICATION
Flow cytometry.
Immunohistochemistry on frozen sections.

STATEMENTS OF WARNING
1. This reagent contains 0.1% sodium azide. Sodium azide under acid conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, wash excessively with water.

2. Specimens, samples and all material coming in contact with them should be handled as if they might transmit infection and disposed of with proper precautions.

3. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.

4. Do not use antibody beyond the expiration date on the label.

5. Do not expose reagents to strong light during storage or incubation.

6. Avoid microbial contamination of reagents or incorrect results might occur.

7. Use good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY
This reagent is stable up to the expiration date when stored at 2 – 8°C. Do not freeze.

REAGENT PREPARATION
No reconstitution is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18 – 25°C prior to use.

PROCEDURE
Flow cytometry.
A wash is required to yield optimal results
Assay volume: 20 µL per 5 x 10⁵ cells in one test, or per 100 µL whole blood.

EXAMPLE DATA
Flow Cytometry.

SELECTED RESEARCH REFERENCES


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