

Fc Receptor Blocker

Technical Data Sheet

Reagent Category

Fc receptor blocking agent

Specific Reagents Supplied

60 ml of Fc Receptor Ready-To-Use Solution
15 ml of Fc Receptor, Ready-To-Use Solution

PRODUCT # NB309 (60ml), 700-1000 slides

PRODUCT # NB309-15 (15ml), 150-250 slides

INTRODUCTION

Fc receptors are glycoproteins of approximate molecular weights of 50-70 kD. They are mostly present on blood cells such as monocytes, tissue macrophages, B cells, granulocytes and some T cells. Fc receptors have great affinity for the Fc region of monomeric IgG (antibody) and non-specific binding and background staining can result. Such examples of Fc receptor rich specimens are lymphoid sections, tonsil sections, bone marrow preparations and blood smears. Cryostat sections are richer in Fc receptors than formalin fixed embedded tissues.

PRODUCT DESCRIPTION

Innovex Fc Receptor Blocker can be used as a blocking agent to block Fc receptors present in hematopoietic (blood) and lymphoid specimens that give rise to non-specific staining in immunoassays. In addition, it can be used as a blocking agent for reducing background staining in brain tissue and also tissues that have been high heat retrieved.

Innovex Fc receptor blocking agent, this product is effective for blocking Fc receptors in lymphoid, hematopoietic tissue of smear specimens that contain cells that carry Fc receptors on their surface. Such specimen rich in Fc receptors are tonsil, bone marrow smears, lymph nodes and preparations made of blood components.

This blocking agent is especially helpful for blocking Fc receptors in lymphoma cryostat and paraffin sections for CD markers staining and also for CD phenotyping in flow cytometric samples in leukemia specimens. **It is also quite helpful for obtaining specific signals in sections stained for kappa, lambda and Immunoglobulins (Igs).**

APPLICATION/INTENDED USE

This reagent is intended to be used as a blocking agent for blocking Fc receptors in hematopoietic and lymphoid specimens. It can also be used as antibody diluent.

PRODUCT FORMAT

Working solution, **no** dilution or adjustments necessary.

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STORAGE CONDITIONS

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

INSTRUCTIONS

For Blocking Fc receptors in immunohistochemical and immunofluorescence specimens

1. Deparaffinize slides or cut frozen sections, fix and rinse in water as usual.
2. Cover sections or smears with 3-6 drops of Fc receptor block to achieve full specimen coverage.
3. Incubate for 30 minutes at room temperature.
4. Rinse with rinse buffer.
5. Proceed with immunostaining as usual.

For Flow Cytometry Blocking of Fc receptors

1. Lyse or ficol blood as usual.
2. Add 0.3 ml of Fc receptor block for 10^6 cells.
3. Incubate for 10 minutes.
4. Wash twice in assay wash buffer.
5. Proceed with antibody staining.

FOR ADDITIONAL TECHNICAL SUPPORT
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