BD Pharmingen™

Technical Data Sheet

FITC Mouse Anti-Human Galectin-3 Set

Product Information

Material Number: 556908
Size: 100 tests
Reactivity: QC Testing: Human

Component: 51-36964X
Description: FITC Mouse Anti-Human Galectin-3
Size: 100 tests (1 ea)
Vol. per Test: 20 µl
Clone Name: B2C10
Isotype: Mouse IgG1, κ
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Component: 51-35404X-3
Description: FITC Mouse IgG1, κ Isotype Control
Size: 100 tests (1 ea)
Vol. per Test: 20 µl
Clone Name: MOPC-21
Isotype: Mouse IgG1, κ
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with Galectin-3, a 30 kDa protein, a member of a newly defined family of β-galactoside-binding animal lectins. It has been previously referred to as IgE-binding protein (eBP) and carbohydrate-binding protein 35 (CBP35). It is expressed on many tissues and cell types. Galectin-3 can be found in the nucleus and/or cytoplasm, on the cell surface and in the extracellular matrix. Its function has been found to be diverse. It has been reported to be markedly elevated in the nucleus of proliferating cells, suggesting that Galectin-3 may play a role in cell growth regulation. Studies of Galectin-3 on the cell surface have shown it to be a non-integrin, laminin-binding protein, suggesting its role in cell adhesion to basement membranes.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed. Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Profile of permeabilized blood monocytes analyzed by flow cytometry

Relative Cell Number

FITC Galectin-3, with isotype control

BD Biosciences

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556908 Rev. 7
Application Notes

Application

Intracellular staining (flow cytometry) Routinely Tested

Recommended Assay Procedure:

Note: This product is routinely tested on permeabilized peripheral blood monocytes using cytofix/cytoperm reagents (Cat. No. 554714).

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>554714</td>
<td>BD Cytofix/Cytoperm Fixation/Permeabilization Kit</td>
<td>250 tests</td>
<td>(none)</td>
</tr>
</tbody>
</table>

Product Notices

1. This antibody has been optimized and preassayed with its matched isotype control to be used at the recommended volume of 20 ul/test. Titration of the reagents or substituting with other (non-matched) isotype control is NOT recommended.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References


