Datasheet for ABIN192413

**anti-CD24 antibody (FITC)**

### Overview

<table>
<thead>
<tr>
<th>Quantity:</th>
<th>100 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target: CD24</td>
<td></td>
</tr>
<tr>
<td>Reactivity: Human</td>
<td></td>
</tr>
<tr>
<td>Host: Mouse</td>
<td></td>
</tr>
<tr>
<td>Clonality: Monoclonal</td>
<td></td>
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<tr>
<td>Conjugate: This CD24 antibody is conjugated to FITC</td>
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</tr>
<tr>
<td>Application: Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Microcytotoxicity Assay (MCA)</td>
<td></td>
</tr>
</tbody>
</table>

### Product Details

| Immunogen: Glycoproteins purified from human NALM-1 cell line. |
| Clone: SN3 |
| Isotype: IgG1 |
| Specificity: The antibody SN3 reacts with CD24, a 35-45 kDa heavily glycosylated cell surface antigen. CD24 is expressed by granulocytes, B lymphocytes and by some activated T cells and T cell malignancies. It is not expressed on human thymocytes. **HLDA IV, WS Code B 136** **HLDA V, WS Code B CD24.7** |
| Cross-Reactivity (Details): Human |
Target Details

Target: CD24

Alternative Name: CD24 (CD24 Products)

Background: CD24, also known as heat-stable antigen (HSA) or nectadorin, is a small mucin-like GPI-anchored extracellular membrane glycoprotein expressed on several cell types, including B cells. When B cells are activated and induced to further maturation, however, CD24 begins to disappear. CD24 seems to act as a gate-keeper for lipid rafts, thereby regulating the activity of integrins and other proteins such as the chemokine receptor CXCR4, it is also a ligand for P-selectin. CD24 triggering induces apoptosis of B cell precursors but not in mature resting B cells, where it instead inhibits their ability to proliferate in response to activation. CD24 expression is associated with invasiveness and poorer prognosis of carcinomas and is a marker of exosomes secreted into urine and amniotic fluid.

Pathways: Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Activated T Cell Proliferation

Application Details

Application Notes: The reagent is designed for Flow Cytometry analysis of human blood cells using 20 μl reagent / 100 μl of whole blood or 106 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.

Comment: The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.

Restrictions: For Research Use only

Handling

Reconstitution: No reconstitution is necessary.

Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Do not freeze.

Avoid prolonged exposure to light.
Handling

Storage: 4 °C

Storage Comment: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

Publications

Product cited in:


There are more publications referencing this product on: Product page
**Flow Cytometry**

**Image 1.** Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD24 (SN3) FITC (20 µL reagent / 100 µL of peripheral whole blood).

**Flow Cytometry**

**Image 2.** Surface staining of human peripheral blood cells with anti-CD24 (SN3) Alexa Fluor® 700.

**Flow Cytometry**

**Image 3.** Surface staining of human peripheral blood cells with anti-human CD24 (SN3) FITC.

Please check the product details page for more images. Overall 4 images are available for ABIN192413.