Datasheet for ABIN1981885
anti-TNF alpha antibody (FITC)

Overview

<table>
<thead>
<tr>
<th>Quantity:</th>
<th>100 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target:</td>
<td>TNF alpha</td>
</tr>
<tr>
<td>Reactivity:</td>
<td>Human, Pig, Non-Human Primate</td>
</tr>
<tr>
<td>Host:</td>
<td>Mouse</td>
</tr>
<tr>
<td>Clonality:</td>
<td>Monoclonal</td>
</tr>
<tr>
<td>Conjugate:</td>
<td>This TNF alpha antibody is conjugated to FITC</td>
</tr>
<tr>
<td>Application:</td>
<td>ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Functional Studies (Func), Immunohistochemistry (Frozen Sections) (IHC (fro))</td>
</tr>
</tbody>
</table>

Product Details

<table>
<thead>
<tr>
<th>Immunogen:</th>
<th>Recombinant human TNF-alpha</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clone:</td>
<td>MAb11</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG1</td>
</tr>
<tr>
<td>Specificity:</td>
<td>The mouse monoclonal antibody MAb11 recognizes human 17-26 kDa cytokine TNF-alpha (tumor necrosis factor alpha).</td>
</tr>
<tr>
<td>Cross-Reactivity (Details):</td>
<td>Human, Non-Human Primates, Porcine</td>
</tr>
</tbody>
</table>

Target Details

<table>
<thead>
<tr>
<th>Target:</th>
<th>TNF alpha</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternative Name:</td>
<td>TNF-alpha (TNF alpha Products)</td>
</tr>
</tbody>
</table>
Target Details

**Background:**
TNF-alpha is a cytokine produced by monocytes, macrophages, neutrophils, NK cells, CD4+ T cells and many transformed cells. It can be expressed as a 17 kDa free molecule, or as a 26 kDa membrane protein. TNF-alpha easily forms stable trimers, but also other multimeric complexes. In the immune system, it is an important regulator, which has cytolytic and cytostatic activity against a range of tumor cells, increases fibroblast proliferation and supports neutrophil chemotaxis and phagocytosis.

**Gene ID:**
7124

**Pathways:**
NF-kappaB Signaling, Apoptosis, Caspase Cascade in Apoptosis, TLR Signaling, Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Positive Regulation of Endopeptidase Activity, Hepatitis C, Protein targeting to Nucleus, Inflammasome

Application Details

**Application Notes:**
The reagent is designed for Flow Cytometry analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 106 cells in a suspension. The content of a vial (0.4 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

**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.
Do not use after expiration date stamped on vial label.
Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be
Handling

verified by the user.

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


Flow Cytometry

Image 1. Flow cytometry intracellular staining pattern of human PHA stimulated peripheral blood mononuclear cells stained using anti-human TNF alpha (MAb11) FITC antibody (4 μL reagent per million cells in 100 μL of cell suspension).

Flow Cytometry

Image 2. Intracellular staining of CD3-CD28-stimulated buffy coat cells with anti-TNF alpha (MAb11) FITC.

Flow Cytometry

Image 3. Flow cytometry multicolor intracellular staining pattern of human PHA stimulated peripheral blood mononuclear cells stained using anti-human TNF alpha (MAb11) FITC antibody (4 μL reagent per million cells in 100 μL of cell suspension). For surface staining was used anti-human CD3 (UCHT1) APC antibody (10 μL reagent per million cells in 100 μL of cell suspension).

Please check the product details page for more images. Overall 4 images are available for ABIN1981885.