Product datasheet

Anti-Fibroblast Surface Protein antibody [1B10] ab11333

Overview

Product name Anti-Fibroblast Surface Protein antibody [1B10]
Description Mouse monoclonal [1B10] to Fibroblast Surface Protein
Host species Mouse
Tested applications Suitable for: ICC/IF, IHC-Fr, WB
Unsuitable for: IHC-P
Species reactivity Reacts with: Human
Immunogen Tissue, cells or virus corresponding to Human Fibroblast Surface Protein. Cultured human thymic fibroblasts.
Positive control WB: cultured human foreskin fibroblasts lysate (See Singer et al).
General notes Storage in frost-free freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Overgrowth of epithelial cells by fibroblasts has long been an obstacle to cultivation of normal and abnormal epithelial cells. In addition, apart from the functional significance of cells characteristics, the characterization of cell lines is important for correlation of cultures with tissue origin, identification of the lineage to which the cells belong or the precursor status of the cells. Monoclonal antibodies to fibroblast surface protein should provide a powerful tool for control of fibroblast growth in a variety of human cell culture systems, such as thymic epithelial (TE) cell cultures allowing the growth of highly enriched populations of the TE cells. It is also useful for flow cytometry, immunohistochemistry and immunoblotting.

Properties

Form Liquid
Storage instructions Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer pH: 7.40
Preservative: 0.097% Sodium azide
Constituents: 0.0268% PBS, 1% BSA
Purity
Ascites

Purification notes
Purified from ascites.

Primary antibody notes
Overgrowth of epithelial cells by fibroblasts has long been an obstacle to cultivation of normal and abnormal epithelial cells. In addition, apart from the functional significance of cells characteristics, the characterization of cell lines is important for correlation of cultures with tissue origin, identification of the lineage to which the cells belong or the precursor status of the cells. Monoclonal antibodies to fibroblast surface protein should provide a powerful tool for control of fibroblast growth in a variety of human cell culture systems, such as thymic epithelial (TE) cell cultures allowing the growth of highly enriched populations of the TE cells. It is also useful for flow cytometry, immunohistochemistry and immunoblotting.

Clonality
Monoclonal

Clone number
1B10

Isotype
IgM

Applications
Our Abpromise guarantee covers the use of ab11333 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td>★★★★☆</td>
<td>Use a concentration of 5 µg/ml.</td>
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<tr>
<td>IHC-Fr</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>WB</td>
<td></td>
<td>Use at an assay dependent concentration. Detects a band of approximately 43, 72-80 kDa. The titre of this antibody has been assessed. Suggested not to use at lower than 1/500 for any application.</td>
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</tbody>
</table>

Application notes
Is unsuitable for IHC-P.

Images
ab11333 (1/750) detecting fibroblast surface protein in human BJ fibroblast cells (red). Cells were fixed in formaldehyde, permeabilized in 0.1% Triton and blocked in 8% BSA. Cells were counter stained with DAPI to visualize the nucleus (blue).

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