Mouse Anti-Human Fas Ligand

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>12115-01</td>
<td>Purified (UNLB)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>12115-02</td>
<td>Fluorescein (FITC)</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

Overview

Clone          SB93a
Isotype        Mouse (BALB/c) IgG2b
Immunogen      Recombinant human Fas ligand
Specificity    Human/Chicken Fas ligand
Alternate Name(s) Fasl, CD178, CD95L, TNFSF6

Description

Fas ligand (CD178) is a 40 kD type II transmembrane protein that is a member of the tumor necrosis factor superfamily. This well characterized potent apoptotic factor is utilized by cytotoxic T cells and natural killer cells to selectively kill virus infected and tumorigenic cells. Moreover, studies indicate that Fas ligand is an important regulator in immune homeostasis where it has been shown to down-regulate immune responses during activation-induced cell death. Fas ligand initiates apoptosis by binding to its receptor, CD95, on target cells which facilitates recruitment of numerous signaling proteins to form a death inducing signaling complex. This signaling complex is then believed to propagate the apoptotic signal through the recruitment and activation of caspase-8.

The SB93a monoclonal antibody detects a band at ~40 kDa corresponding to the transmembrane/insoluble form of Fas ligand.

Applications

FC – Quality tested ¹⁻³
IHC-FS – Reported in literature ⁴
IF – Reported in literature ⁵
WB ⁶
IP ⁶

Working Dilutions

Flow Cytometry

FITC conjugate
≤ 1 µg/10⁶ cells
For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL

Immunoblotting

Purified (UNLB) antibody
≤ 2 µg/mL

Other Applications

Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.
Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 0.2 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

6. SouthernBiotech unpublished data