abcam

Product datasheet

Anti-Fas antibody [MFL3] (Biotin) ab95640

1 Image

Overview

Product name	Anti-Fas antibody [MFL3] (Biotin)
Description	Armenian Hamster monoclonal [MFL3] to Fas (Biotin)
Host species	Armenian hamster
Conjugation	Biotin
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Mouse
Immunogen	Tissue, cells or virus corresponding to Mouse Fas. C57BL/6 Mouse Fas cDNA transfected newborn Syrian Hamster kidney (BHK) cells
Positive control	Transfected L5178Y cells

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: less than or equal to 0.09% Sodium Azide Constituents: PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Clone number	MFL3
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab95640 in the following tested applications.

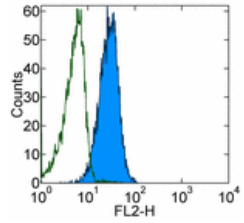
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.25µg for 10^{5-8} cells.

Target

Function	Receptor for TNFSF6/FASLG. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. The secreted isoforms 2 to 6 block apoptosis (in vitro).
Tissue specificity	Isoform 1 and isoform 6 are expressed at equal levels in resting peripheral blood mononuclear cells. After activation there is an increase in isoform 1 and decrease in the levels of isoform 6.
Involvement in disease	Defects in FAS are the cause of autoimmune lymphoproliferative syndrome type 1A (ALPS1A) [MIM:601859]; also known as Canale-Smith syndrome (CSS). ALPS is a childhood syndrome involving hemolytic anemia and thrombocytopenia with massive lymphadenopathy and splenomegaly.
Sequence similarities	Contains 1 death domain. Contains 3 TNFR-Cys repeats.
Domain	Contains a death domain involved in the binding of FADD, and maybe to other cytosolic adapter proteins.
Cellular localization	Secreted and Cell membrane.

Images



Flow Cytometry - Anti-Fas antibody [MFL3] (Biotin) (ab95640)

Staining of mouse CD95 transfected L5178Y cells with 0.125 µg of Biotin conjugated Armenian Hamster IgG Isotype Control (open histogram) or ab95640 at 0.125 µg (filled histogram) followed by Streptavidin PE. Total viable cells were used for analysis.

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