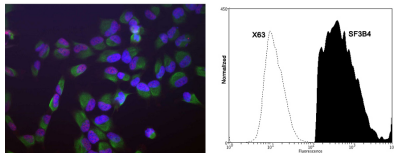


## Mouse monoclonal antibody to splicing factor SF3B4 [3A1]: Affinity purified

<b>Catalogue No.:</b>	M-1576-100
<b>Description:</b>	SF3B4 is one of 8 subunits of splicing factor SF3B. SF3B4 is ubiquitously expressed in the nuclei of eukaryotic cells, although it migrates into the cytoplasm of dividing cells.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	Full length recombinant human SF3B4 which was expressed in and purified from E. coli.
<b>Isotype:</b>	IgG2b
<b>Clone:</b>	3A1
<b>Other Names:</b>	SAP49; splicing factor 3b subunit 4; 49kDa SAP49; spliceosome-associated protein 49; U2 snRNP; Hsh49; MGC108282; SF3B4; SF3b50;
<b>Accession:</b>	Q15427 SF3B4_HUMAN;
<b>Produced in:</b>	Mouse
<b>Applications:</b>	WB, ICC, Flow Cytometry. Recommended dilution of 1:500-1:2,000 for ICC. In WB using chemiluminescence it can be used at dilutions of 1:1,000 or lower. The protein runs on SDS-PAGE gels at an apparent molecular weight of 49 kDa. Use 2 ug/10 <sup>6</sup> cells for Flow Cytometry. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Cross-reactivity:</b>	Human; bovine; porcine; mouse; rat; expected to react with other species due to sequence homology
<b>Form:</b>	Lyophilised with 5% trehalose
<b>Reconstitution:</b>	Reconstitute in sterile distilled water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	Aliquot and store at -20C for a higher stability and at 2-8C with an appropriate antibacterial agent. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase



Left: Human HeLa cells stained with Mouse monoclonal antibody to splicing factor SF3B4 M-1576-100 (red), Chicken polyclonal antibody to Vimentin C-1409-50 (green) and DNA (blue, stained with DAPI). The monoclonal SF3B4 antibody reveals strong granular nuclear staining which is a little different from the DNA stain and presumably reflects splicosomal complexes. The polyclonal Vimentin antibody stains the cytoplasmic intermediate filament network of the HeLa cells. Right: Analysis of SF3B4 expression in rat pheochromocytoma PC-12 cell line by Flow Cytometry. Fixing and Permeabilization of cells: Absolute methanol (10 minutes in ice) and 0.1% Tween-20 in PBS, Blocking: 1% BSA, Primary antibody: Mouse Monoclonal antibody to SF3B4 (cat # M-1576-100, 2µg per ~10<sup>6</sup> cells) for 30 minutes at room temperature, Secondary antibody: Goat anti-mouse PE labeled secondary antibody (1:100 fold dilution) with incubation for 20 minutes in dark at room temperature. Non-specific Control IgG, clone X63 (cat # M-1249-100) was

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used as negative control under same conditions (black dashed). Flow cytometry data and results were generated using Orflo Moxiflow™ instrument and protocols.

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