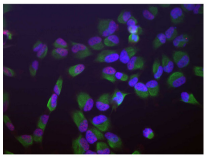
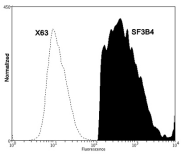
Mouse monoclonal antibody to splicing factor SF3B4 [3A1]: Affinity purified

Catalogue No.:	M-1576-100
Description:	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.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	Full length recombinant human SF3B4 which was expressed in and purified from E. coli.
Isotype:	IgG2b
Clone:	3A1
Other Names:	SAP49; splicing factor 3b subunit 4; 49kDa SAP49; spliceosome-associated protein 49; U2 snRNP; Hsh49; MGC108282; SF3B4; SF3b50;
Accession:	Q15427 SF3B4_HUMAN;
Produced in:	Mouse
Applications:	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/10^6 cells for Flow Cytometry. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Cross-reactivity:	Human; bovine; porcine; mouse; rat; expected to react with other species due to sequence homology
Form:	Lyophilised with 5% trehalose
Reconstitution:	Reconstitute in sterile distilled water. Centrifuge to remove any insoluble material.
Storage:	Aliquot and store at -20C for a higher stability and at 2-8C with an appropriate antibacterial agent. Avoid freeze-thaw cycles.
Expiry Date:	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 ~10^6 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 MoxiflowTM instrument and protocols.

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