

#M25234

SF3B1 Mouse mAb

- 50 µl
- 100 µl
- 200 µl

DESCRIPTION

This gene encodes subunit 1 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence independent manner and may anchor the U2 snRNP to the pre-mRNA. Splicing factor 3b is also a component of the minor U12-type spliceosome. The carboxy-terminal two-thirds of subunit 1 have 22 non-identical, tandem HEAT repeats that form rod-like, helical structures. Alternative splicing results in multiple transcript variants encoding different isoforms.

SOURCE

This Abmart monoclonal antibody is produced by immunizing mice with a polypeptide (Abmart SEAL mAb technology) corresponding to SF3B1 protein.

STORAGE

Store at -20°C, stable for one year from the date of shipment.

ALIASES

Hsh155, Prp10, PRPF10, SAP155, Sf3b155

REACTIVITY

Homo sapiens

ISOTYPE

Mouse IgG

PREDICTED MOLECULAR WEIGHT

146 KDa

RECOMMEND ANTIBODY DILUTIONS

| | |
|---------------------|---------------|
| Western blotting | 1:1000-1:5000 |
| Immunoprecipitation | 10 tests |
| FACS | 1:100-1:200 |

***For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking overnight.**

PRODUCT ADVANTAGE

Mass spectrum approved

COMPANION PRODUCTS

| | |
|--------|---------------------|
| M25001 | AIFM1 Mouse mAb |
| M25002 | Ch60 Mouse mAb |
| M25003 | VIME(337) Mouse mAb |
| M25004 | IDHP Mouse mAb |
| M25005 | TBA1B Mouse mAb |

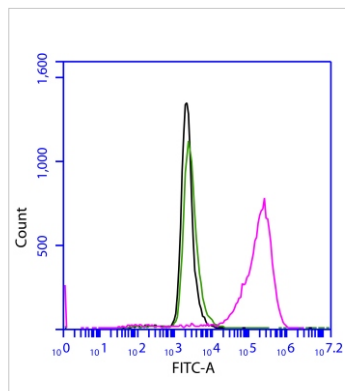
Abmart

Orders ■ 400-6123-828

orders@ab-mart.com

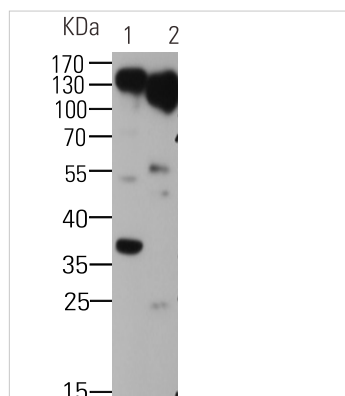
Web ■ www.ab-mart.com.cn

APPLICATION DATA



Flow Cytometry—Anti-SF3B1 Antibody (M25234)

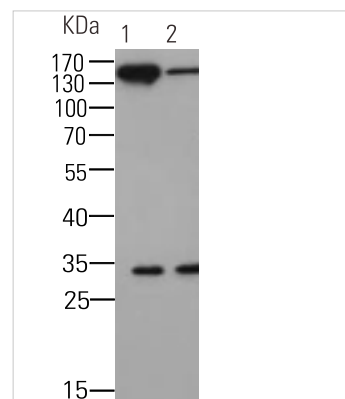
Flow cytometric analysis of 2% paraformaldehyde-fixed THP1 (Human acute monocytic leukemia cell line) cells labeling SF3B1 with M25234 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP-Anti-SF3B1 Antibody(M25234)

SF3B1 was immunoprecipitated from 1mg of THP1 cells membrane fraction, blotted with M25234 at 10µg. Western blot was performed from the immunoprecipitate using M25234 at 1/1000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: THP1 cells membrane fraction. Lane2: IP product of THP1 cells membrane fraction.

Blocking and dilution buffer and concentration:5% milk/TBST.



WB-Anti-SF3B1 Antibody(M25234)

All lanes : SF3B1 Mouse mAb at 1/2000 dilution

Lane 1 : THP1 cells membrane fraction

Lane 2 : Jurkat cells membrane fraction

Lysates/proteins at 20 µg per lane.

Secondary

Goat Anti-Mouse IgG-HRP, 5% milk conjugated at 1/10000 dilution

Predicted band size : 146 KDa

Observed band size : 146 KDa

Blocking/Dilution buffer : 1× TBST.

Applications Key: WB—Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence

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For *in vitro* research use only and not intended for use in humans or animals.