

#M25006

ALG5 Mouse mAb

- 50 µl
- 100 µl
- 200 µl

DESCRIPTION

This gene encodes a member of the glycosyltransferase 2 family. The encoded protein participates in glucosylation of the oligomannose core in N-linked glycosylation of proteins. The addition of glucose residues to the oligomannose core is necessary to ensure substrate recognition, and therefore, effectual transfer of the oligomannose core to the nascent glycoproteins. Multiple transcript variants encoding different isoforms have been found for this gene.

SOURCE

This Abmart monoclonal antibody is produced by immunizing mice with a polypeptide (Abmart SEAL mAb technology) corresponding to ALG5 protein.

STORAGE

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

ALIASES

bA421P11.2

REACTIVITY

Homo sapiens

ISOTYPE

Mouse IgG

PREDICTED MOLECULAR WEIGHT

37 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.

- #M21001 Goat-anti-Mouse IgG-HRP
- #M20001 His-Tag mAb
- #M20002 Myc-Tag mAb
- #M20003 HA-Tag mAb
- #M20018 Anti-DYKDDDDK-Tag mAb (Agarose conjugated)

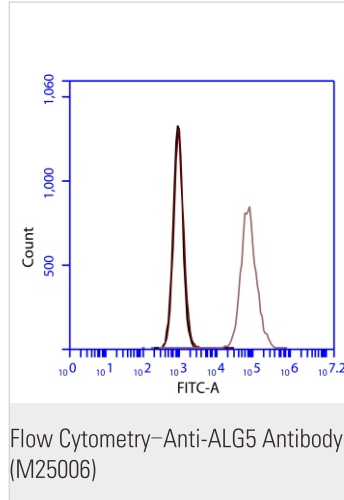


Orders ■ 400-6123-828

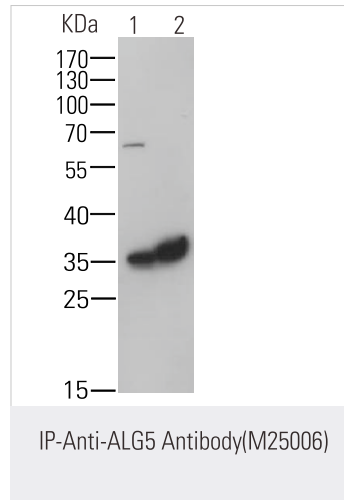
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Web ■ www.ab-mart.com.cn

APPLICATION DATA

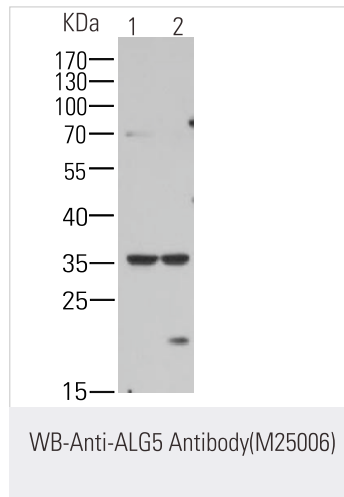


Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling ALG5 with M25006 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



ALG5 was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25006 at 10µg. Western blot was performed from the immunoprecipitate using M25006 at 1/2000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2: IP product of Jurkat cells membrane fraction.

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



All lanes : ALG5 Mouse mAb at 1/2000 dilution

Lane 1 : Jurkat cells membrane fraction

Lane 2 : THP1 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 : 37 KDa

Observed band size : 37 KDa

Blocking/Dilution buffer : 1x 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.