

Mouse anti-Human ALG5 Monoclonal Antibody | anti-ALG5 antibody

ALG5 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62400	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

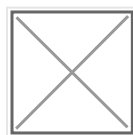
PRODUCT SYNONYMS

ALG5; Monoclonal Antibody; ALG5 Mouse mAb; Alg5 homolog; Alg5; S. cerevisiae; homolog of; asparagine-linked glycosylation 5 homolog (S. cerevisiae; dolichyl-phosphate beta-glucosyltransferase); asparagine-linked glycosylation 5 homolog (yeast; asparagine-linked glycosylation 5; dolichyl-phosphate beta-glucosyltransferase homolog; Asparagine-linked glycosylation protein 5 homolog; dolichyl phosphate glucosyltransferase; Dolichyl-phosphate beta-glucosyltransferase; DolP-glucosyltransferase; 1500026A19Rik; 2600005J22Rik; AV009521; AV170001; AW545564; bA421P11.2; HSPC149; anti-ALG5 antibody

PRODUCT SPECIFICATIONS

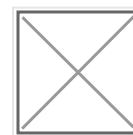
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	294
Applicable Applications for anti-ALG5 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human ALG5

IMAGES



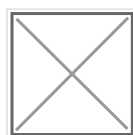
FCM/FACS (Flow Cytometry)

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.



IP (Immunoprecipitation)

ALG5 was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25006 of 10 ug. 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.



WB (Western Blot)

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 ug 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.

ADDITIONAL INFORMATION

Related Product Information for anti-ALG5 antibody	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.
Product Categories/Family for anti-ALG5 antibody	Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	215276969
NCBI GeneID	29880
NCBI Accession #	NP_001135836.1
NCBI GenBank Nucleotide #	NM_001142364.1
UniProt Accession #	Q9Y673; Q5TBA6; B4DR37
Molecular Weight	Predicted MW: 37kDa
NCBI Official Full Name	dolichyl-phosphate beta-glucosyltransferase isoform 2
NCBI Official Synonym Full Names	ALG5, dolichyl-phosphate beta-glucosyltransferase
NCBI Official Symbol	ALG5
NCBI Official Synonym Symbols	bA421P11.2
NCBI Protein Information	dolichyl-phosphate beta-glucosyltransferase
UniProt Protein Name	Dolichyl-phosphate beta-glucosyltransferase
UniProt Gene Name	ALG5
UniProt Synonym Gene Names	DolP-glucosyltransferase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/alg5-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62400>