

Product datasheet for **TA504215AM**

ALG2 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1C5]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1C5 |
| Applications: | FC, WB |
| Recommended Dilution: | WB 1:2000, FLOW 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human ALG2(NP_149078) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Biotin |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 46.9 kDa |
| Gene Name: | ALG2 alpha-1,3/1,6-mannosyltransferase |
| Database Link: | NP_149078 Entrez Gene 85365 Human Q9H553 |
| Background: | This gene encodes a member of the glycosyltransferase 1 family. The encoded protein acts as an alpha 1,3 mannosyltransferase, mannosylating Man(2)GlcNAc(2)-dolichol diphosphate and Man(1)GlcNAc(2)-dolichol diphosphate to form Man(3)GlcNAc(2)-dolichol diphosphate. Defects in this gene have been associated with congenital disorder of glycosylation type 1h (CDG-1h). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2008] |

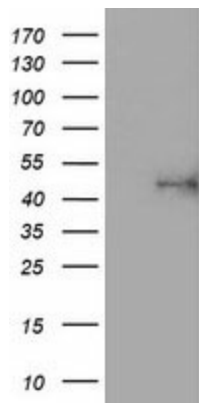


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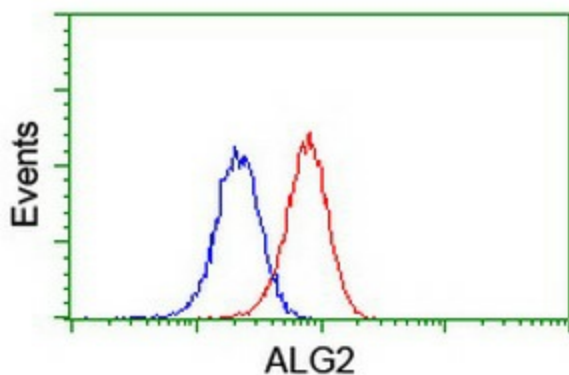
Synonyms: CDGII; hALPG2; NET38

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ALG2 ([RC204766], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ALG2. Positive lysates [LY409737] (100ug) and [LC409737] (20ug) can be purchased separately from OriGene.



Flow cytometric Analysis of Jurkat cells, using anti-ALG2 antibody ([TA504215]), (Red), compared to a nonspecific negative control antibody, (Blue).