

## Product datasheet for **TA504215**

### ALG2 Mouse Monoclonal Antibody [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:          | 1 mg/ml   |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| Conjugation:            | Unconjugated  |
| 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:          | <a href="#">NP_149078</a><br><a href="#">Entrez Gene 85365 Human</a><br><a href="#">Q9H553</a>  |
| 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 I <sub>h</sub> (CDG-I <sub>h</sub> ). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2008] |

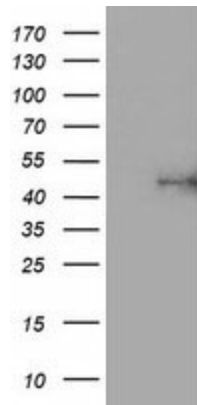


[View online »](#)

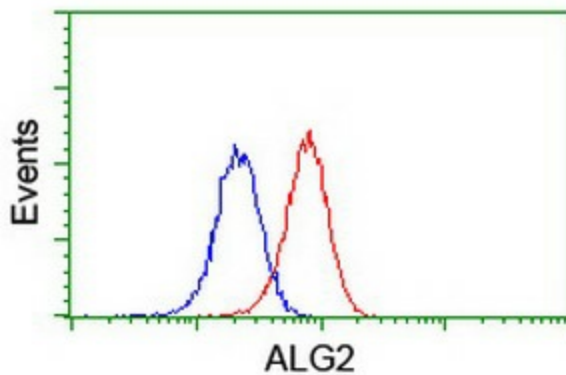
**Synonyms:** CDGII; hALPG2; NET38

**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).