

**ALG1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9324c****Specification**

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**ALG1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9BT22](#)**ALG1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 56052**Other Names**

Chitobiosyldiphosphodolichol beta-mannosyltransferase, Asparagine-linked glycosylation protein 1 homolog, Beta-1, 4-mannosyltransferase, GDP-Man:GlcNAc2-PP-dolichol mannosyltransferase, GDP-mannose-dolichol diphosphochitobiose mannosyltransferase, Mannosyltransferase-1, MT-1, hMat-1, ALG1, HMAT1, HMT1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ALG1 Antibody (Center) Blocking Peptide - Protein Information****Name** ALG1 ([HGNC:18294](#))**Synonyms** HMAT1, HMT1**Function**

Catalyzes the addition of the first of nine mannose moieties to form a dolichol-lipid linked oligosaccharide intermediate required for proper N-linked glycosylation.

**Cellular Location**

Endoplasmic reticulum membrane; Single-pass type II membrane protein

**ALG1 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**ALG1 Antibody (Center) Blocking Peptide - Images****ALG1 Antibody (Center) Blocking Peptide - Background**

The enzyme encoded by this protein catalyzes the first mannosylation step in the biosynthesis of lipid-linked oligosaccharides. This protein is mutated in congenital disorder of glycosylation type Ik.

**ALG1 Antibody (Center) Blocking Peptide - References**

Grubenmann,C.E. Hum. Mol. Genet. 13 (5), 535-542 (2004)Kranz,C. Am. J. Hum. Genet. 74 (3), 545-551 (2004)Schwarz,M. Am. J. Hum. Genet. 74 (3), 472-481 (2004)