

**GL54D Antibody (C-term) Blocking Peptide**

Synthetic peptide

Catalog # BP18455b

**Specification**

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**GL54D Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession

[A6NG13](#)**GL54D Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 152586

**Other Names**

Alpha-1, 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase-like protein MGAT4D, 241-, MGAT4D ([HGNC:43619](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=43619))

**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.

**GL54D Antibody (C-term) Blocking Peptide - Protein Information**Name MGAT4D ([HGNC:43619](#))**Function**

May play a role in male spermatogenesis. In vitro acts as inhibitor of MGAT1 activity causing cell surface proteins to carry mainly high mannose N-glycans. The function is mediated by its luminal domain and occurs specifically in the Golgi. A catalytic glucosyltransferase activity is not detected. May be involved in regulation of Sertoli-germ cell interactions during specific stages of spermatogenesis.

**Cellular Location**

Golgi apparatus membrane {ECO:0000250|UniProtKB:Q4V8F8}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:Q4V8F8}. Endoplasmic reticulum membrane; Single-pass type II membrane protein

**Tissue Location**

Expressed in testis. Poorly expressed in testis biopsies from men with impaired spermatogenesis

**GL54D Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**GL54D Antibody (C-term) Blocking Peptide - Images****GL54D Antibody (C-term) Blocking Peptide - Background**

The function of this protein remains unknown.