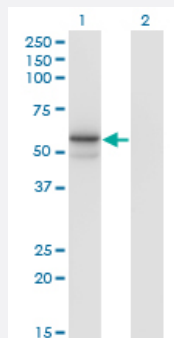


# FUCA1 monoclonal antibody (M01), clone 1D4

Catalog # H00002517-M01

Size 100 ug

## Applications

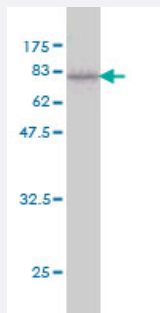


### Western Blot (Transfected lysate)

Western Blot analysis of FUCA1 expression in transfected 293T cell line by FUCA1 monoclonal antibody (M01), clone 1D4.

Lane 1: FUCA1 transfected lysate(53.2 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (74.03 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a full length recombinant FUCA1.

### Immunogen

FUCA1 (AAH17338, 23 a.a. ~ 461 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

VRRAQPPRRYTPDWPSLDSRPLPAWFDEAKFGVFIHWGVFSVPAWGSEWFWWHWQGEGRP  
QYQRFMRDNYPPGFSYADFGPQFTARFFHPEEWADLFQAAGAKYVVLTTKHHEGFTNWPSPVS  
WNWNSKDVGPHRDLVGELGTALRKRNIYGLYHSLLEWFHPLYLLDKKNGFKTQHFVSAKTMPE  
LYDLVNSYKPDLIWSDGEWECPDYWNSTNFLSWLYNDSPVKDEVVVNDRWGQNCCHGGY  
YNCEDKFKPQSLPDHKWEMCTSIDKFSWGYRRDMALSDVTEESEIISLVQTVSLGGNYLLNIGPT  
KDGLVPIFQERLLAVGKWLSINGEAYASKPWRVQWEKNTTSVWYTSKGSAYVAIFLHWPENGVL  
NLESPITTSTTKITMLGIQGDLDKWSTDPDKGLFISLPQLPPSAVPAEFAWTIKLTGVK

|                         |                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                    |
| Reactivity              | Human                                                                                                    |
| Isotype                 | IgG2b Kappa                                                                                              |
| Quality Control Testing | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (74.03 KDa) . |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                        |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                 |

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of FUCA1 expression in transfected 293T cell line by FUCA1 monoclonal antibody (M01), clone 1D4.

Lane 1: FUCA1 transfected lysate(53.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — FUCA1

|                     |                                |
|---------------------|--------------------------------|
| Entrez GeneID       | <a href="#">2517</a>           |
| GeneBank Accession# | <a href="#">BC017338</a>       |
| Protein Accession#  | <a href="#">AAH17338</a>       |
| Gene Name           | FUCA1                          |
| Gene Alias          | FUCA                           |
| Gene Description    | fucosidase, alpha-L- 1, tissue |
| Omim ID             | <a href="#">230000</a>         |

## Gene Ontology

[Hyperlink](#)

## Gene Summary

Alpha-L-fucosidase (EC 3.2.1.51) is a lysosomal enzyme involved in the degradation of fucose-containing glycoproteins and glycolipids (Occhiodoro et al., 1989 [PubMed 2803312]). At least 2 separate polymorphic alpha-L-fucosidases are recognized in man: that in tissues, FUCA1, which is deficient in fucosidosis (MIM 230000), and that in plasma, FUCA2 (MIM 136820).[supplied by OMIM]

## Other Designations

Nbla10230/alpha-L-fucosidase|OTTHUMP00000003009|alpha-L-fucosidase|fucosidase, alpha-L-1, tissue

## Pathway

- [Lysosome](#)
- [Other glycan degradation](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)