

# KD-Validated Anti-MLD Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1575

## Product Information

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, FC, ICC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Primary Accession</b> | <a href="#">O15121</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Reactivity</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Clone Names</b>       | 23GB 1215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Calculated MW</b>     | 37866                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Name</b>         | DEGS1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Aliases</b>           | DEGS1; Delta 4-Desaturase, Sphingolipid 1; DES1; MLD; DEGS-1; FADS7; Cell Migration-Inducing Gene 15 Protein; Sphingolipid Delta(4)-Desaturase DES1; Sphingolipid Delta(4)-Desaturase 1; Dihydroceramide Desaturase 1; Membrane Lipid Desaturase; Retinol Isomerase; Des-1; Degenerative Spermatocyte Homolog 1, Lipid Desaturase (Drosophila); Degenerative Spermatocyte Homolog 1, Lipid Desaturase; Degenerative Spermatocyte Homolog, Lipid Desaturase; Membrane Fatty Acid (Lipid) Desaturase; Degenerative Spermatocyte Homolog 1; Migration-Inducing Gene 15 Protein; Sphingolipid Delta 4 Desaturase; Dihydroceramide Desaturase-1; EC 1.14.19.17; EC 5.2.1.-; HLD18; MIG15; DES-1; DEGS |
| <b>Immunogen</b>         | A synthesized peptide derived from human MLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Additional Information

|                    |                                                                                                                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 8560                                                                                                                                                                                                                                                                  |
| <b>Other Names</b> | Sphingolipid delta(4)-desaturase DES1, 1.14.19.17, Cell migration-inducing gene 15 protein, Degenerative spermatocyte homolog 1, Dihydroceramide desaturase-1, Membrane lipid desaturase, Retinol isomerase, 5.2.1.-, DEGS1 ( <a href="#">HGNC:13709</a> ), DES1, MLD |

## Protein Information

|                          |                                                                                                                                                                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | DEGS1 ( <a href="#">HGNC:13709</a> )                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>          | DES1, MLD                                                                                                                                                                                                                                                                                                |
| <b>Function</b>          | Has sphingolipid-delta-4-desaturase activity. Converts D-erythro-sphinganine to D-erythro-sphingosine (E-sphing-4-enine) (PubMed: <a href="#">11937514</a> , PubMed: <a href="#">30620337</a> , PubMed: <a href="#">30620338</a> ). Catalyzes the equilibrium isomerization of retinols (By similarity). |
| <b>Cellular Location</b> | Mitochondrion membrane. Endoplasmic reticulum membrane; Multi-pass membrane protein                                                                                                                                                                                                                      |

**Tissue Location**

Ubiquitous..

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.