

## DESCRIPTION

|                                                                                                                                                                                                         |                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b>                                                                                                                                                                               | Human                                                                                                   |
| <b>Specificity</b>                                                                                                                                                                                      | Detects human C4.4A/LYPD3 in direct ELISAs and Western blots.                                           |
| <b>Source</b>                                                                                                                                                                                           | Polyclonal Sheep IgG                                                                                    |
| <b>Purification</b>                                                                                                                                                                                     | Antigen Affinity-purified                                                                               |
| <b>Immunogen</b>                                                                                                                                                                                        | Mouse myeloma cell line NS0-derived recombinant human C4.4A/LYPD3<br>Leu31-His286<br>Accession # O95274 |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm                         |
| <b>Formulation</b>                                                                                                                                                                                      | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                                            |
| *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |                                                                                                         |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

## BACKGROUND

LYPD3 (Ly6/PLAUR-domain containing protein 3; also MIG-C4 and GPI anchored metastasis-associated protein C4.4A) is an 85-95 kDa, variably glycosylated member of the Ly6 family of GPI anchored proteins. It is expressed on transitional epithelium, keratinocytes and monocytes, and binds laminin 1 and 5, plus Galectin-3. LYPD3 is believed to support cell migration. Mature human LYPD3 is a 296 amino acid (aa) GPI linked glycoprotein. It contains two UPAR domains (aa 33-126 and 140-222), and an ADAM cleavage site (aa 312-325). The molecule shows extensive N and O linked glycosylation. There is one potential isoform that shows a deletion of aa 129-180. Over aa 31-286, human LYPD3 shares 81% aa identity with mouse LYPD3.

## PRODUCT SPECIFIC NOTICES

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