

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human C4.4A/LYPD3 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human C4.4A/LYPD3 Leu31-His286 Accession # O95274
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	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

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	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.

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