

DESCRIPTION

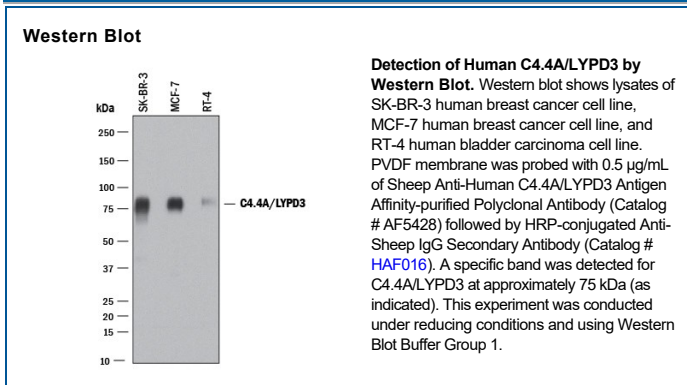
Species Reactivity	Human
Specificity	Detects human C4.4A/LYPD3 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human C4.4A/LYPD3 Leu31-His286 Accession # O95274
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.