

## DESCRIPTION

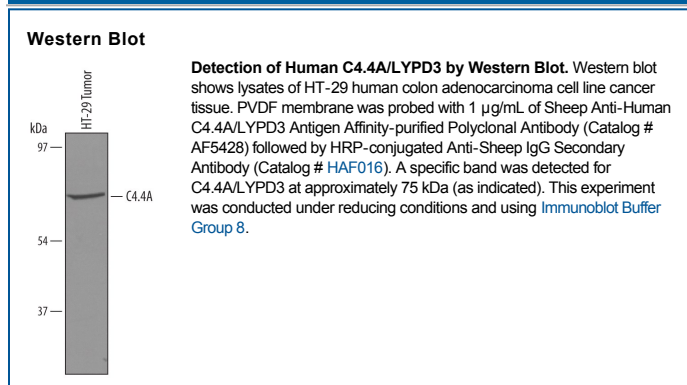
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human C4.4A/LYPD3 in direct ELISAs and Western blots. In direct ELISAs, approximately 15% cross-reactivity with recombinant mouse C4.4A is observed.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human C4.4A/LYPD3 Leu31-His286 Accession # O95274
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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
<b>Western Blot</b>	1 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.