

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human LYPD8 in direct ELISAs. Stains human LYPD8 transfectants but not irrelevant transfectants in flow cytometry.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 961703
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Human embryonic kidney cell line HEK293-derived transfected with human LYPD8 Met1-Asn215 Accession # Q6UX82
<b>Conjugate</b>	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	HEK293 human embryonic kidney cell line transfected with human LYPD8 and eGFP

## 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>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

Ly6/PLAUR domain containing 8 (LYPD8), is a GPI-linked protein with structural similarity to the urokinase-type plasminogen activator receptor (uPAR) (1). Mature human LYPD8 contains one uPAR/Ly6 domain and a Ser/Thr/Pro-rich (STP) region that may serve as a target for protease mediated shedding as has been shown for the related C4.4A/LYPD3 molecule (2, 3). Mature human LYPD8 shares 40% amino acid sequence identity with mouse and rat LYPD8.

### References:

1. Kong, H.K. and J.H. Park (2012) *BMB Rep.* **45**:595.
2. Hansen, L.V. *et al.* (2004) *Biochem. J.* **380**:845.
3. Esselens, C.W. *et al.* (2008) *Biol. Chem.* **389**:1075.

## PRODUCT SPECIFIC NOTICES

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