# Human LYPD8
# Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse $IgG_1$ Clone # 961703

Catalog Number: FAB9087N

100 µg

## DESCRIPTION

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|---|---|
| **Species Reactivity** | Human |
| **Specificity** | Detects human LYPD8 in direct ELISAs. Stains human LYPD8 transfectants but not irrelevant transfectants in flow cytometry. |
| **Source** | Monoclonal Mouse $IgG_1$ Clone # 961703 |
| **Purification** | Protein A or G purified from hybridoma culture supernatant |
| **Immunogen** | Human embryonic kidney cell line HEK293-derived transfected with human LYPD8<br>Met1-Asn215<br>Accession # Q6UX82 |
| **Conjugate** | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm |
| **Formulation** | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.<br><br>*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.*

| | Recommended Concentration | Sample |
|---|---|---|
| **Flow Cytometry** | 0.25-1 µg/$10^6$ cells | HEK293 human embryonic kidney cell line transfected with human LYPD8 and eGFP |

## PREPARATION AND STORAGE

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| **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.**<br>• 12 months from date of receipt, 2 to 8 °C as supplied. |

## 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






bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449