Human LYPD8
Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 961703

Catalog Number: FAB9087V

100 µg

DESCRIPTION

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 Met1-Asn215 Accession # Q6UX82
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	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.*

	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

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

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