Human STAMP2/STEAP4
Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 418714

Catalog Number: FAB4626U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human STAMP2-transfected NS0 cells but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG_{2B} Clone # 418714
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human STAMP2 Met1-His459 Accession # EAW76907
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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	Human STAMP2 transfected HEK293 human cell line

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

Human STAMP2, also called Steap4 or TIARP (TNF-α-induced adipose-related protein), is a 55 kDa, 459 aa, 6-transmembrane (TM) member of the Steap family of metalloreductases. It is induced by androgens in androgen-regulated prostate cells, and is up-regulated during adipocyte differentiation by TNF-α. Full-length human and mouse STAMP2 share 80% aa identity. A 283 aa variant lacks a portion of the oxidoreductase domain and three TM domains. STAMP2 is present in the Golgi complex and early endosomes in addition to the cell surface.

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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