

Human STAMP2/STEAP4 Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 418714

Catalog Number: FAB4626N

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 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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 metalloredutases. 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.

PRODUCT SPECIFIC NOTICES

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