

DESCRIPTION

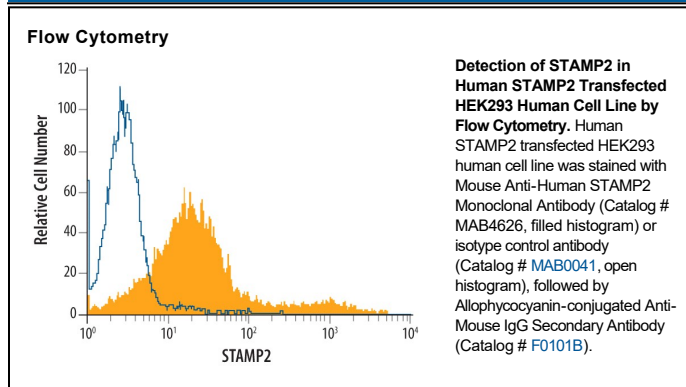
Species Reactivity	Human
Specificity	Detects human STAMP2-transfected NS0 cells but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG _{2B} Clone # 418714
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human STAMP2 Met1-His459 Accession # EAW76907
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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 metallo-reductases. 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.