

# Human STAMP2/STEAP4 Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG<sub>2B</sub> Clone # 418714

Catalog Number: FAB4626V  
100 µg

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                                                                            |
| <b>Specificity</b>        | Detects human STAMP2-transfected NS0 cells but not irrelevant transfectants in flow cytometry.                                                                                                                                                                                                                                   |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2B</sub> Clone # 418714                                                                                                                                                                                                                                                                                |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>          | NS0 mouse myeloma cell line transfected with human STAMP2<br>Met1-His459<br>Accession # EAW76907                                                                                                                                                                                                                                 |
| <b>Conjugate</b>          | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm                                                                                                                                                                                                                                                  |
| <b>Formulation</b>        | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<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.

|                       | <b>Recommended Concentration</b> | <b>Sample</b>                                   |
|-----------------------|----------------------------------|-------------------------------------------------|
| <b>Flow Cytometry</b> | 0.25-1 µg/10 <sup>6</sup> cells  | Human STAMP2 transfected HEK293 human cell line |

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | <b>Protect from light. Do not freeze.</b><br>● 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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