

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human TSPAN9 in direct ELISAs and Western blots.                                                                                                                                                                                                                    |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2A</sub> Clone # 590409                                                                                                                                                                                                                           |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | HEK293 human embryonic kidney cell line transfected with human TSPAN9<br>Accession # O75954                                                                                                                                                                                 |
| <b>Conjugate</b>          | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<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.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

## 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> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

## BACKGROUND

Tetraspanin 9 (TSPAN9) is a 27 kDa glycoprotein and member of the tetraspanin (TM4SF) family of proteins. It is 239 amino acids (aa) in length and contains four transmembrane segments and one potential site for N-linked glycosylation. Both the N- and C-termini lie on the intracellular side of the membrane. Human TSPAN9 is 97% aa identical to mouse TSPAN9. It is expressed in megakaryocytes and platelets where it co-localizes with GP6 in tetraspanin microdomains on the platelet surface. TSPAN9 is involved in platelet activation.

## PRODUCT SPECIFIC NOTICES

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