

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                                                                            |
| <b>Specificity</b>        | Detects mouse PLET-1 in direct ELISAs.                                                                                                                                                                                                                                                                                           |
| <b>Source</b>             | Monoclonal Rat IgG <sub>1</sub> Clone # 700738                                                                                                                                                                                                                                                                                   |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse PLET-1<br>Ala27-Leu216<br>Accession # Q8VEN2                                                                                                                                                                                                                               |
| <b>Conjugate</b>          | Alexa Fluor 750<br>Excitation Wavelength: 749 nm<br>Emission Wavelength: 775 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  | Mouse thymocytes |

#### 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

PLET-1 (placenta-expressed transcript 1), also known as antigen mAgK114, is a 23 kDa membrane protein that is probably GPI-anchored. It is recognized by the antibodies MTS20 and MTS24. Mature mouse PLET-1, which most likely includes amino acids (aa) 28-216 of 237 aa, shares less than 60% aa sequence identity with the most closely related rat or human protein. A potential 194 aa mouse splice variant diverges after aa 149 but still contains a hydrophobic sequence at the C-terminus. PLET-1 is a marker of early thymic progenitor cells and pancreatic duct epithelium.

#### PRODUCT SPECIFIC NOTICES

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