

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CLP24 in ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 652424
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human CLP24 Accession # Q9BSN7
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human CLP24 and eGFP co-transfectants

#### 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> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

TMEM204, also known as Claudin-like protein of 24 kDa (CLP24), is a cell surface protein with four transmembrane domains and a C-terminal PDZ motif. TMEM204 localizes to adherens junctions between epithelial and endothelial cells. It is involved in regulating paracellular flux and is upregulated under hypoxic conditions. Human TMEM204 shares 88% aa sequence identity with mouse and rat TMEM204.

#### PRODUCT SPECIFIC NOTICES

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