

# Human P2Y10/P2RY10 Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG<sub>2B</sub> Clone # 639329

Catalog Number: FAB10158N

100 µg

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                                                                            |
| <b>Specificity</b>        | Detects human P2RY10 in Flow Cytometry and Immunohistochemistry.                                                                                                                                                                                                                                                                 |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2B</sub> Clone # 639329                                                                                                                                                                                                                                                                                |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>          | NS0 mouse myeloma cell line transfected with human P2RY10<br>Accession # O00398                                                                                                                                                                                                                                                  |
| <b>Conjugate</b>          | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 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  | HEK293 Human Cell Line Transfected with Human P2Y10/P2RY10 and eGFP |

## 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

P2Y receptors are a family of purinergic G protein-coupled receptors which belong to the class A family of GPCRs. They are membrane proteins, preferentially activated by nucleotides such as ADP, ATP, UTP, UDP and UDP-glucose. This P2Y receptor is thought to be a receptor for purines. While there is little known about the activity of this specific receptor, P2Y receptors mediate various biological functions such as vasodilation, blood clotting and immune responses.

## PRODUCT SPECIFIC NOTICES

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