

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse PDGFRL in direct ELISAs.
<b>Source</b>	Monoclonal Rat IgG <sub>2B</sub> Clone # 1010639
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Human embryonic kidney cell HEK293-derived mouse PDGFRL Gln22-Ser375 Accession # Q6PE55
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide  *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.

**Neutralization** 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

Platelet-derived growth factor receptor-like protein (PDGFRL) is a 67 kDa glycoprotein protein consisting of two Ig-like C2-type domains. By sequence similarity, mouse PDGFRL is 90% similar to the human version and 95% similar to that of the rat. It is a secreted protein related to the class III subfamily of receptor tyrosine kinases (RTK), the platelet-derived growth factor receptors (1-5). The high frequency of loss of heterozygosity (LOH) near the gene of PDGFRL indicated in several studies that PDGFRL can be a tumor suppressor gene (TSG) in breast cancer (6-9), colorectal cancer, prostate cancer (10), non-small cell lung cancers (11) and hepatocellular carcinoma (12). A variant of PDGFRL is found to play a role in the development of Behçet disease, a complex immunoregulatory disease (13). The autoimmune role of PDGFRL is also supported by its up-regulation in a mouse model for Rheumatoid Arthritis (14). Another study also showed that PDGFRL may play a role in chondrocyte proliferation and differentiation (15).

## PRODUCT SPECIFIC NOTICES

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