

# P2RY1

Purified Mouse Monoclonal Antibody  
Catalog # AO2650a

## Product Information

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|--------------------------|------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, ICC, E                                                                    |
| <b>Primary Accession</b> | <a href="#">P47900</a>                                                             |
| <b>Reactivity</b>        | Human                                                                              |
| <b>Host</b>              | Mouse                                                                              |
| <b>Clonality</b>         | Monoclonal                                                                         |
| <b>Clone Names</b>       | 4G5B7                                                                              |
| <b>Isotype</b>           | Mouse IgG2b                                                                        |
| <b>Calculated MW</b>     | 42072                                                                              |
| <b>Immunogen</b>         | Purified recombinant fragment of human P2RY1 (AA: extra mix) expressed in E. Coli. |
| <b>Formulation</b>       | Purified antibody in PBS with 0.05% sodium azide                                   |

## Additional Information

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| <b>Gene ID</b>     | 5028                                                                                                                                     |
| <b>Other Names</b> | P2Y1                                                                                                                                     |
| <b>Dilution</b>    | WB~~ 1/500 - 1/2000 IHC~~ 1/200 - 1/1000 ICC~~N/A E~~ 1/10000                                                                            |
| <b>Storage</b>     | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| <b>Precautions</b> | P2RY1 is for research use only and not for use in diagnostic or therapeutic procedures.                                                  |

## Protein Information

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| <b>Name</b>              | P2RY1                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Function</b>          | Receptor for extracellular adenine nucleotides such as ADP (PubMed: <a href="#">25822790</a> , PubMed: <a href="#">9038354</a> , PubMed: <a href="#">9442040</a> ). In platelets, binding to ADP leads to mobilization of intracellular calcium ions via activation of phospholipase C, a change in platelet shape, and ultimately platelet aggregation (PubMed: <a href="#">9442040</a> ). |
| <b>Cellular Location</b> | Cell membrane; Multi-pass membrane protein                                                                                                                                                                                                                                                                                                                                                  |

References

1.Nature. 2015 Apr 16;520(7547):317-21.2.Biochem Pharmacol. 2011 Aug 15;82(4):418-25.

Images

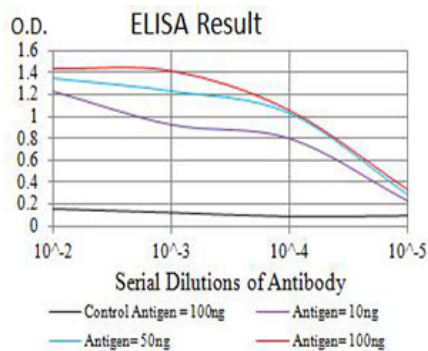


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

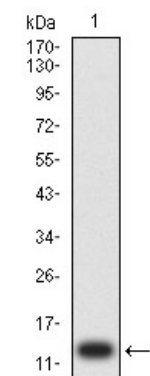


Figure 2:Western blot analysis using P2RY1 mAb against human P2RY1 (AA: extra mix) recombinant protein. (Expected MW is 13 kDa)

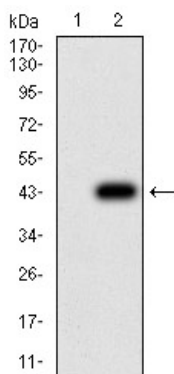


Figure 3:Western blot analysis using P2RY1 mAb against HEK293 (1) and P2RY1 (AA: extra mix)-hIgGFc transfected HEK293 (2) cell lysate.

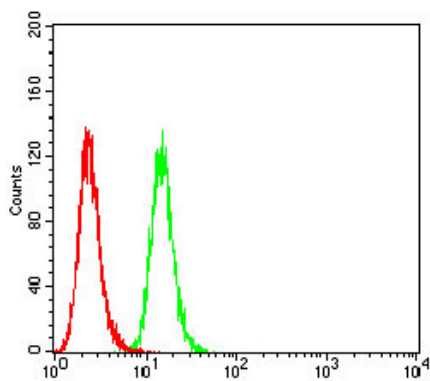
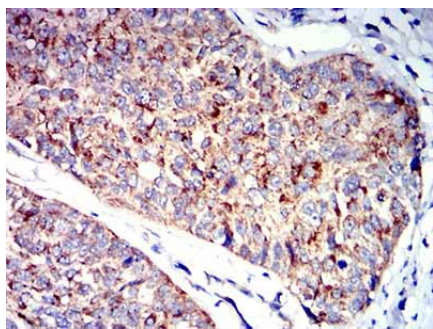
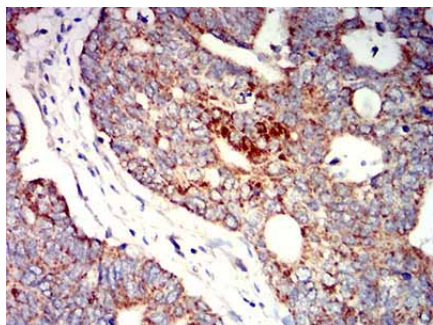


Figure 4:Flow cytometric analysis of HeLa cells using P2RY1 mouse mAb (green) and negative control (red).

Figure 5:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using P2RY1



mouse mAb with DAB staining.



1/200 - 1/1000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.