

## Product datasheet for **TA500638M**

### **PDE10A Mouse Monoclonal Antibody [Clone ID: OTI3G9]**

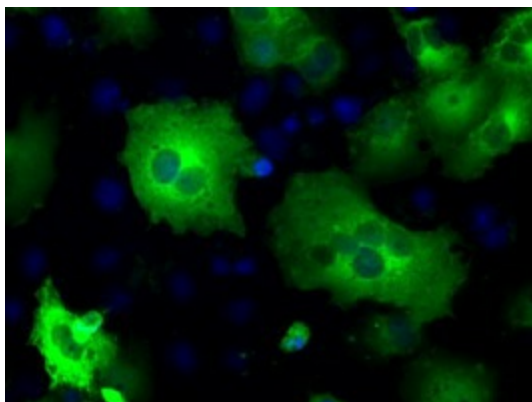
#### **Product data:**

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Clone Name:           | OTI3G9   |
| Applications:         | FC, IF   |
| Recommended Dilution: | IF 1:100, FLOW 1:100   |
| Reactivity:           | Human, Mouse, Rat  |
| Host:                 | Mouse  |
| Isotype:              | IgG2b  |
| Clonality:            | Monoclonal   |
| Immunogen:            | Full length human recombinant protein of human PDE10A (NP_006652) produced in HEK293T cell.  |
| Formulation:          | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.   |
| Concentration:        | 1 mg/ml  |
| Purification:         | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:          | Unconjugated   |
| Storage:              | Store at -20°C as received.  |
| Stability:            | Stable for 12 months from date of receipt.   |
| Gene Name:            | phosphodiesterase 10A  |
| Database Link:        | <a href="#">NP_006652</a><br><a href="#">Entrez Gene 63885 Rat</a> <a href="#">Entrez Gene 10846 Human</a><br><a href="#">Q9Y233</a>   |
| Background:           | Various cellular responses are regulated by the second messengers cAMP and cGMP. Phosphodiesterases, such as PDE10A, eliminate cAMP- and cGMP-mediated intracellular signaling by hydrolyzing the cyclic nucleotide to the corresponding nucleoside 5-prime monophosphate (Fujishige et al., 2000 [PubMed 10998054]). [supplied by OMIM] |
| Synonyms:             | FLJ11894; FLJ25677; HSPDE10A   |
| Protein Families:     | Druggable Genome   |

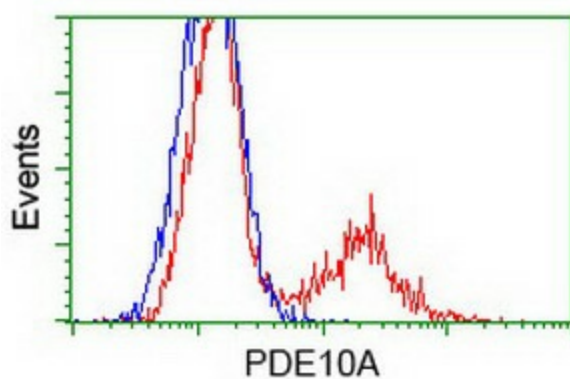

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**Protein Pathways:** Progesterone-mediated oocyte maturation, Purine metabolism

**Product images:**



Anti-PDE10A mouse monoclonal antibody ([TA500638]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PDE10A ([RC211181]).



HEK293T cells transfected with either [RC211181] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PDE10A antibody ([TA500638]), and then analyzed by flow cytometry.