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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-DRD5 Antibody Picoband® Cy3 Conjugated

Catalog Number: A03010-1-Cy3

About DRD5

D(1B) dopamine receptor(DRD5), also called DRD1B or DRD1L2 is a protein that in humans is encoded by the DRD5 gene. This gene is mapped to 4p16.1. This gene encodes the D5 subtype of the dopamine receptor. The D5 subtype is a G-protein coupled receptor which stimulates adenylyl cyclase. This receptor is expressed in neurons in the limbic regions of the brain. It has a 10-fold higher affinity for dopamine than the D1 subtype. Pseudogenes related to this gene reside on chromosomes 1 and 2. Compared with DRD1, DRD5 displayed a higher affinity for dopamine and was able to stimulate a biphasic rather than a monophasic intracellular accumulation of cAMP.

Overview

Product Name	Anti-DRD5 Antibody Picoband® Cy3 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P21918

Technical Details

Immunogen	E.coli-derived human DRD5 recombinant protein (Position: M1-H477). Human DRD5 shares 82.3% and 82.4% amino acid (aa) sequence identity with mouse and rat DRD5, respectively.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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Anti-DRD5 Antibody - Cy3

For Research Use Only. Not for use in diagnostic procedures.