

Product Datasheet

Anti-Dopamine D2 Receptor Antibody FL594 Conjugate



Overview

Catalog #	75-230-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N186/29
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	IHC
Species Reactivity	Mouse and Rat
Immunogen	Fusion protein amino acids 211-374 (cytoplasmic, long form) of rat Dopamine D2 receptor (accession number P61169) produced recombinantly in E. Coli
Molecular Weight	50 kDa
Cite this Antibody	Antibodies Inc Cat# 75-230-FL594, RRID: AB_2939838

Details

Target Description	Dopamine D2 receptor is encoded by the gene DRD2. DRD2 is a member of the G-protein coupled receptor 1 family that also includes D1, D3, D4 and D5. This G-protein coupled receptor inhibits adenylyl cyclase activity. DRD2 is expressed in the brain, colon, testis, and skeletal muscle tissue. Diseases associated with DRD2 include cocaine dependence, pathological gambling, and delusional disorder.
Specificity	Reacts with both Long and Short formsDoes not cross-react with Dopamine D3 receptor
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested by IHC on either rat or mouse brain and confirmed to give the expected staining pattern.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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