

## Product Datasheet

## Anti-Dopamine D2 Receptor Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-230-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N186/29
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	IHC
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 211-374 (cytoplasmic, long form) of rat Dopamine D2 receptor (accession number P61169) produced recombinantly in E. Coli
<b>Molecular Weight</b>	50 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-230-FL550, RRID: AB_2939837

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	Reacts with both Long and Short formsDoes not cross-react with Dopamine D3 receptor
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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.
<b>Storage</b>	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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