



Datasheet for ABIN7043108

anti-Dopamine d2 Receptor antibody (Extracellular, N-Term) (FITC)



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2 Images

Overview

Quantity:	50 µL
Target:	Dopamine d2 Receptor (DRD2)
Binding Specificity:	AA 11-26, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dopamine d2 Receptor antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DDLERQNWSRPFNGSE, corresponding to amino acid residues 11-26 of rat DRD2
Isotype:	IgG
Characteristics:	Anti-D2 Dopamine Receptor (extracellular) Antibody (ABIN7043107, ABIN7044229 and ABIN7044230)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot analysis. It has been designed to recognize DRD2 from rat, human, and mouse samples. \nAnti-D2 Dopamine Receptor (extracellular)-FITC Antibody (ABIN7043107, ABIN7044229 and ABIN7044230)-F is directly conjugated to fluorescein isothiocyanate (FITC). This labeled antibody can be used in immunofluorescent applications such as direct live cell flow cytometry.

Product Details

Purification: Affinity purified on immobilized antigen.

Target Details

Target: Dopamine d2 Receptor (DRD2)

Alternative Name: D2 Dopamine Receptor ([DRD2 Products](#))

Background: Alternative names: D2 Dopamine Receptor, DRD2, D(2) dopamine receptor

Gene ID: 24318

NCBI Accession: [NM_000795](#)

UniProt: [P61169](#)

Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [Negative Regulation of Hormone Secretion](#), [cAMP Metabolic Process](#), [Inositol Metabolic Process](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Feeding Behaviour](#), [Negative Regulation of Transporter Activity](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 50 µL double distilled water (DDW).

Concentration: 1 mg/mL

Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

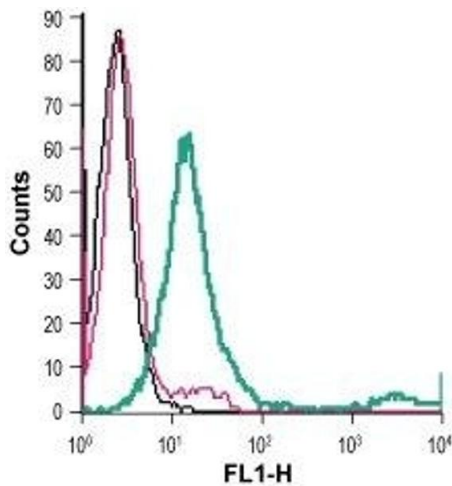
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: RT, 4 °C, -20 °C

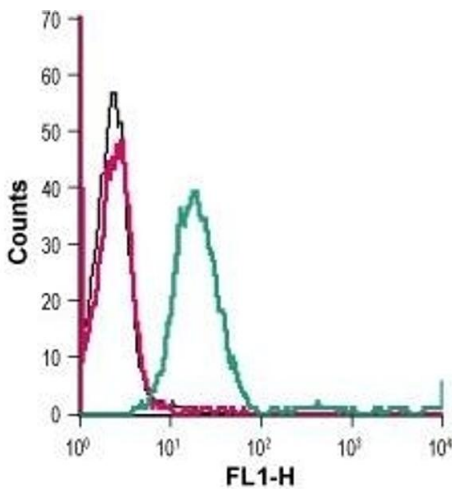
Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.

Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



Flow Cytometry

Image 1. Cell surface detection of D2 dopamine receptor in live intact mouse M1 myeloid leukemia cells: (black line) Cells. (red line) Cells + Rabbit IgG isotype control-FITC. (green line) Cells + Anti-D2 Dopamine Receptor (extracellular)-FITC Antibody (ABIN7043108, ABIN7045511, ABIN7045512 and ABIN7045513), (10 µg antibody/0.5x 10⁶ cells).



Flow Cytometry

Image 2. Cell surface detection of D2 dopamine receptor in live intact human Jurkat T-cell leukemia cell line: (black line) Cells. (red line) Cells + Rabbit IgG isotype control-FITC. (green line) Cells + Anti-D2 Dopamine Receptor (extracellular)-FITC Antibody (ABIN7043108, ABIN7045511, ABIN7045512 and ABIN7045513), (5 µg antibody/0.5x 10⁶ cells).