

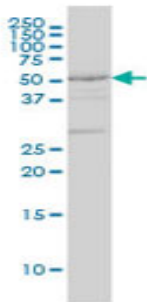
## Mouse monoclonal antibody to human D(2) dopamine receptor [1B11]: IgG

<b>Catalogue No.:</b>	M-827-50
<b>Description:</b>	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. D(2) dopamine receptor is one of five (D1 to D5) receptors for dopamine. Its activity is mediated by G proteins which inhibit adenylyl cyclase. It interacts with GPRASP1, neurabin-2, CLIC6, CADPS and CADPS2. It is a transmembrane protein that belongs to the G-protein coupled receptor 1 family. The unprocessed precursor has a length of 443 amino acids and an estimated molecular mass of 50.6kDa. Genetic variations in DRD2 may determine the genetic susceptibility to alcoholism. A missense mutation in this gene causes myoclonus dystonia and several other defects in this gene are thought to be involved in psychiatric disorders, especially in schizophrenia.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	50 µg
<b>Antigen:</b>	Partial recombinant protein of human D(2) dopamine receptor (amino acids 1 to 109) with a GST tag.
<b>Clone:</b>	1B11
<b>Other Names:</b>	Dopamine D2 receptor; DRD2
<b>Accession:</b>	DRD2_HUMAN
<b>Produced in:</b>	Mouse
<b>Purity:</b>	Protein G purified immunoglobulin
<b>Applications:</b>	This antibody is recommended for WB and direct ELISA. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	Specificity has been shown by WB and ELISA against the recombinant GST tagged D(2) dopamine receptor protein.
<b>Cross-reactivity:</b>	This antibody has not been tested against other species.
<b>Form:</b>	Lyophilised from PBS pH 7.2
<b>Reconstitution:</b>	Reconstitute in 50 µl of sterile water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	After reconstitution keep aliquots at -20°C for higher stability or at 4°C with an appropriate antibacterial agent. Glycerol (1:1) may be added for additional stability. Avoid repetitive freeze/thaw cycles.
<b>Expiry Date:</b>	12 months after purchase

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Western blot analysis on peripheral blood cell lysate using mouse monoclonal antibody to D(2) dopamine receptor [1B11], catalogue number M-827-50. This antibody detects a band of ~50kDa molecular weight.

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