



BMA BIOMEDICALS

Monoclonal Antibody To Human MRGPRX2 (GPCRx11) Mas-related G-protein coupled receptor member X2; Cortistatin Receptor

MRGPRX2 or cortistatin receptor is a 330 amino acid protein that belongs to the G-protein coupled receptor 1 family. Mas-related G-protein-coupled receptors (Mrgprs) represent a large family of orphan receptors specifically expressed in small-diameter nociceptive primary sensory neurons. Physiological functions include mediation of itch or regulation of persistent pathological pain. Cortistatin-14, which is involved in sleep regulation, locomotor activity, and cortical function, seems to be a high potency ligand at this receptor. Also, the multifunctional antibacterial protein LL-37 has been shown to activate cells presumably through MRGPRX2.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1224 (Lot 02PO1910)
Clone:	1D3
Host species, isotype:	Mouse IgG2b, kappa light chain
Quantity:	1mg (5ml)
Format:	Protein G purified, lyophilized. Affinity purified from serum-free cell culture supernatant, liquid. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% (v/v) Kathon™ CG as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Applications:	Tested for immunohistochemistry (IHC). Approximate working dilution for IHC: Paraffin sections: 1µg/ml (1:200), pretreatment with Proteinase K for antigen retrieval is recommended Optimal dilutions should be determined by the end user Suggested positive control: Human pancreas Please see www.bma.ch for protocols and general information

Immunogen:	DNA vaccine
Protein database:	<u>human-Q96LB1</u>
Antigen, epitope:	The specificity of the antibody was verified by flow cytometry with cells expressing the recombinant protein. The epitope has not been further characterized.

For in vitro research only. This product contains Kathon™ CG as a preservative.