

Monoclonal Mouse IgG₁ Clone # 1013903 Catalog Number: MAB102501

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human Relaxin R2 in direct ELISAs.	
Source	Monoclonal Mouse IgG ₁ Clone # 1013903	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	Nunogen Chinese hamster ovary cell line CHO-derived recombinant human Relaxin R2 Met1-Asn416 Accession # Q8WXD0	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Sample Concentration	
Flow Cytometry	0.25 μg/10 ⁶ cells See Below	
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Flow Cytometry	Detection of Relaxin R2 in HEK293 Human Cell Line Transfected with Human Relaxin R2 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with (A) human Relaxin R2 or (B) irrelevant transfectants and eGFP was stained with Mouse Anti-Human Relaxin R2 Moncolonal Antibody (Catalog # MAB102501) followed by APC-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based on control antibody staining (Catalog # MAB002). View our protocol for Staining Membrane-associated Proteins.		
PREPARATION AND S	TORAGE		
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.		
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C		
Stability & Storage	 Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution. 		

BACKGROUND

Relaxin R2 (also known as LGR8) is the G-protein coupled receptor (GPCR) for Relaxin, and may also be a receptor for INSL3. LGR8 can mediate the action of Relaxin through cAMP-dependent pathway distinct from structurally related insulin and insulin-like growth factor family ligand. Distribution of this receptor implicates its role in reproductive, brain, renal, cardiovascular and other functions.

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Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956 USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373 Europe | Middle East | Africa TEL +44 (0)1235 529449