

Product datasheet for **AM05906PU-N**

Ryanodine Receptor (RYR1) Mouse Monoclonal Antibody [Clone ID: G-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	G-1
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA: 1/1000. Flow Cytometry: 1/500. Western blot: 1/100. Immunofluorescence: 1/100. Use Indirect Immunofluorescence. Visualization by confocal microscopy is required, as detection by standard fluorescent microscopy will not be adequate to detect the RyR. Additionally, fluorescent, not enzymatic, detection is required. Due to the intensity of confocal lasers, use of an anti-fading agent, such as DABCO, is strongly recommended. Immunohistochemistry on Frozen Sections: 1/100.
Reactivity:	Bovine, Canine, Human, Mouse, Porcine, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Short synthetic polypeptide corresponding to the C-terminal domain of the Ryanodine Receptor
Specificity:	This antibody reacts with the C-terminus cytoplasmic domain of Ryanodine Receptor. Ryanodine receptors have been shown to play critical roles in the intracellular Ca ²⁺ signaling occurring during cell activation in muscle cells and non-muscle cells. This antibody reacts with Ryanodine Receptor (~500kDa) isolated from a variety of cell types (e.g. lymphocytes, macrophages, granulocytes, fibroblasts, epithelial, endothelial cells, skeletal muscle, cardiac muscle and brain tissues).
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated



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Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ryanodine receptor 1
Database Link:	Entrez Gene 20190 Mouse Entrez Gene 114207 Rat Entrez Gene 6261 Human P21817
Synonyms:	CCO; MHS; MHS1; RYDR; RYR; RYR-1; SKRR
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Calcium signaling pathway, Long-term depression