

Datasheet: OBT1818

Description:	MOUSE ANTI HUMAN RYANODINE RECEPTOR
Specificity:	RYANODINE RECEPTOR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RYR.1 (G-1)
Isotype:	IgG2b
Quantity:	50 µg

Product Details

Applications This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/500
Immunohistology - Frozen	▪			1/100
ELISA	▪			1/1000
Immunofluorescence(1)	▪			1/100
Immunoblotting	▪			1/100

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) Special conditions apply - see [*]

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Dog, Bovine, Pig, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium azide
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Short synthetic polypeptide corresponding to the C-terminal domain of the ryanodine receptor.
Specificity	OBT1818 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. OBT1818 reacts with ryanodine receptor (MW approx. 500kDa) isolated from a variety of cell types (e.g. lymphocytes, macrophages, granulocytes, fibroblasts, epithelial, endothelial cells, skeletal muscle, cardiac muscle and brain tissues).
Immunohistology	* 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.

Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet Documentation #10040 available at: http://www.abdserotec.com/uploads/MSDS/10040.pdf

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@549 , DyLight@649 , DyLight@800 , FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
HuCAL Anti Mouse IgG2b (HCA038...)	FITC , HRP , RPE
Sheep Anti Mouse IgG (H/L) (AAC10...)	Biotin , FITC
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

For research purposes only, unless otherwise specified in writing by AbD Serotec.

'M185385:110225'



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