Datasheet: MCA3049Z

Description:	MOUSE ANTI HUMAN TIMM8A:Preservative Free
Specificity:	TIMM8A
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	2F11
Isotype:	IgG2a
Quantity:	0.1 mg

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. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin (1)	▪			0.1 - 10 ug/ml
Western Blotting	▪			0.1 - 10 ug/ml

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)**This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.Sodium citrate buffer pH 6.0 is recommended for this purpose.**

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to aa 9 - 98 of human TIMM8A.
External Database Links	**UniProt:** O60220 Related reagents **Entrez Gene:**

1678 TIMM8A Related reagents

Synonyms	DDP, DDP1, TIM8A
Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
Specificity	**Mouse anti Human TIMM8A antibody, clone 2F11** recognizes human Mitochondrial import inner membrane translocase subunit Tim8 A, also known as TIMM8A, Deafness dystonia protein 1 or X-linked deafness dystonia protein. TIMM8A is a 97 amino acid ~10 kDa inner mitochondrial membrane protein which self associates together with TIMM13 to form a soluble ~70 kDa heterohexamer comprised of three units of TIMM8A and three of TIMM13, highly expressed in both fetal and adult brain, also expressed in multiple other organs. Mutations of the TIMM8A gene can lead to the development of Jensen syndrome, also known as Deafness -opticoacoustic nerve atrophy - dementia or Mohr-Tranebjaerg syndrome, a condition characterized by early onset progressive hearing loss followed by progressive visual loss and dementia (Tranebjaerg *et al.* 2001).
Storage	Store at -20°C only. 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 #10162 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC, HRP
Goat Anti Mouse IgG (STAR70...)	FITC

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