

### Datasheet: MCA2713

Description:	MOUSE ANTI HUMAN H-FABP
Specificity:	H-FABP
Other names:	FABP3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	10E1
Isotype:	lgG1
Quantity:	0.2 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 <u>www.bio-rad-antibodies.com/protocols</u>.

		Yes	No	Not Determined	I Suggested Dilution
	Flow Cytometry			•	
	Immunohistology - Frozen			•	
	Immunohistology - Paraffin			•	
	ELISA	-			
	Immunoprecipitation			•	
	Western Blotting			•	
	Immunoassay	-			
	Where this product has n	not been te	ested for u	use in a particular	technique this does not
	necessarily exclude its us	se in such	procedu	es. Suggested wo	rking dilutions are given as
	a quide only. It is recomm	nended th	at the use	r titrates the produ	uct for use in their own
	system using appropriate	e negative	/positive o	ontrols	
	-)		, p = =		
Target Species	Human				
Product Form	Purified IgG - liquid				
Preparation	Purified IgG prepared by	affinity ch	nromatogr	aphy on Protein A	from ascites
Buffer Solution	Phosphate buffered salin	е			
Preservative Stabilisers	<0.1% Sodium Azide (Na	aN <sub>3</sub> )			
Approx. Protein	IgG concentration 1.0mg	/ml			

#### Concentrations

Immunogen	Human heart FABP (H-FABP).	
External Database Links	UniProt: <u>P05413</u> <u>Related reagents</u> Entrez Gene: <u>2170</u> FABP3 <u>Related reagents</u>	
Synonyms	FABP11, MDGI	
RRID	AB_2102332	
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells line.	s of the Sp2/0 myeloma cell
Specificity	<ul> <li>Mouse anti Human H-FABP antibody, clone 10E1 detects h as heart type fatty-acid binding protein, and FABP3. H-FABP b and is a 14kDa cytosolic non-enzymatic protein involved in the metabolism of fatty acids. H-FABP also has a role in cell prolife tumour suppressor gene in breast cancer.</li> <li>H-FABP was initially purified from the heart muscle, but has si widespread tissue distribution, with highest concentration in car H-FABP has been implicated in neurodegenerative disorders, and Alzheimer's disease, and is a specific and sensitive bioma infarctions.</li> </ul>	uman H-FABP, also known belongs to the FABP family, e uptake, transport and eration and is a candidate nce been found to have a ardiac and skeletal muscle. including Down syndrome arker for acute myocardial
References	<ol> <li>Steinacker ,P. <i>et al.</i> (2004) Heart fatty acid binding protein a marker for neurodegenerative diseases. <u>Neurosci Lett. 370 (1)</u></li> <li>Cheon, M.S. <i>et al.</i> (2003) Heart type fatty acid binding protein brains of patients with Down syndrome and Alzheimer's disease (67): 225-34.</li> <li>Tambara, K. <i>et al.</i> (2004) Pericardial fluid level of heart-type acid-binding protein (H-FABP) is an indicator of severe myocar 93 (2-3): 281-4.</li> </ol>	as a potential diagnostic <u>): 36-9.</u> ein (H-FABP) is decreased in se. <u>J Neural Transm Suppl.</u> e cytoplasmic fatty rdial ischemia. <u>Int J Cardiol.</u>
Storage	This product is shipped at ambient temperature. It is recomme -20°C on receipt. When thawed, aliquot the sample as needed short term use (up to 4 weeks) and store the remaining aliquot Avoid repeated freezing and thawing as this may denature the frost-free freezers is not recommended.	ended to aliquot and store at I. Keep aliquots at 2-8°C for ts at -20°C. antibody. Storage in
Guarantee	12 months from date of despatch	

Health And Safety	Material Safety Datasheet documentation #10040 available at:		
Information	https://www.bio-rad-antibodies.com/SDS/MCA2713		
	10040		

Regulatory

For research purposes only

# Related Products

# **Recommended Secondary Antibodies**

Goat Anti Mouse IgG (STAR77)	HRP			
Rabbit Anti Mouse IgG (STAR12)	RPE			
Goat Anti Mouse IgG (STAR70)	FITC			
Goat Anti Mouse IgG IgA IgM (STAR87) <u>Alk. Phos.</u> , <u>HRP</u>				
Rabbit Anti Mouse IgG (STAR9)	FITC			
Goat Anti Mouse IgG (STAR76)	RPE			
Goat Anti Mouse IgG (H/L) (STAR117)	Alk. Phos., DyLight®488, DyLight®550,			
	DyLight®650, DyLight®680, DyLight®800,			
	FITC, HRP			
Rabbit Anti Mouse IgG (STAR13)	HRP			
Goat Anti Mouse IgG (Fc) (STAR120)	<u>FITC, HRP</u>			
Recommended Negative Controls				
MOUSE IgG1 NEGATIVE CONTROL (MCA928)				

North & South	Tel: +1 800 265 7376 Worldwid	e .	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
America	Fax: +1 919 878 3751	1	Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-rad.com	ļ	Email: antibody_sales_uk@bio-rad	.com	Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M405892:220916'

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