Crystallin Lambda 1 (CRYl1) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Crystallin Lambda 1 (CRYl1), Monoclonal Antibody
Full Product Name	HRP-Linked Monoclonal Antibody to Crystallin Lambda 1 (CRYl1)
Product Gene Name	anti-CRYl1 antibody
Clonality	Monoclonal
Isotype	IgG
Clone Number	C2
Host	Mouse
Species Reactivity	Human, Pig
Concentration	500ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: CRYl1 Clone #C2 (MBS2025849) HRP Conjugated Antibody: CRYl1 Clone #C2 (MBS2076359)
Matching Pairs	HRP Conjugated Antibody: CRYl1 Clone #C2 (MBS2076359) Immunogen: CRYl1 (MBS2011800)
Molecular Weight	33,359 Da
OMIM	AF077049 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	Leu24~Tyr232
Conjugation	HRP
Cross Reactivity	Human
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2025849
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-CRYl1 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC), Immunoprecipitation (IP), ELISA (EIA)
Related Product Information for anti-CRYl1 antibody	MBS2076359 is an antibody targeting CRYl1. Also known as HRP-Linked Monoclonal Antibody to Crystallin Lambda 1 (CRYl1). Reactive in Human, Pig. Host: Mouse.
Other Notes	Small volumes of anti-CRYl1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRYl1. It may not necessarily be applicable to this product.

NCBI GI #	119628666
NCBI GeneID	51084
NCBI Accession #	EAX08261.1

UniProt Secondary Accession #	Q0VDI1; Q7Z4Z9; Q9P0G7; A0PJ43; B3KN92
UniProt Related Accession #	Q9Y2S2
NCBI Official Full Name	crystallin, lambda 1, isoform CRA_c
NCBI Official Synonym Full Names	crystallin lambda 1
NCBI Official Symbol	CRYL1
NCBI Official Synonym Symbols	GDH; HEL30; lambda-CRY
UniProt Protein Name	Lambda-crystallin homolog
UniProt Synonym Protein Names	L-gulonate 3-dehydrogenase; Gul3DH
Protein Family	Lambda-crystallin
UniProt Gene Name	CRYL1
UniProt Synonym Gene Names	CRY; Gul3DH
NCBI Protein Information	lambda-crystallin homolog
NCBI Summary for CRYl1	The uronate cycle functions as an alternative glucose metabolic pathway, accounting for about 5% of daily glucose catabolism. The product of this gene catalyzes the dehydrogenation of L-gulonate into dehydro-L-gulonate in the uronate cycle. The enzyme requires NAD(H) as a coenzyme, and is inhibited by inorganic phosphate. A similar gene in the rabbit is thought to serve a structural role in the lens of the eye. [provided by RefSeq, Jul 2008]
UniProt Comments for CRYl1	CRYL1: The uronate cycle functions as an alternative glucose metabolic pathway, accounting for about 5% of daily glucose catabolism. The product of this gene catalyzes the dehydrogenation of L-gulonate into dehydro-L-gulonate in the uronate cycle. The enzyme requires NAD(H) as a coenzyme, and is inhibited by inorganic phosphate. A similar gene in the rabbit is thought to serve a structural role in the lens of the eye. [provided by RefSeq, Jul 2008] Protein type: EC 1.1.1.45 Chromosomal Location of Human Ortholog: 13q12.11 Cellular Component: cytoplasm; cytosol; Golgi apparatus; nucleolus; nucleus; plasma membrane Molecular Function: L-gulonate 3-dehydrogenase activity; protein homodimerization activity Biological Process: glucuronate catabolic process to xylulose 5-phosphate
Research Articles on CRYl1	**1.** rabbit lambda-crystallin constitutes 7-8% of total lens protein
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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