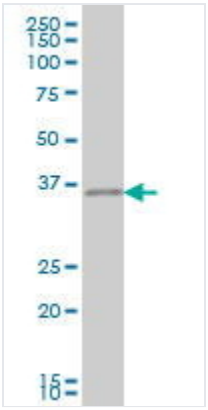
CRX Antibody – Mouse Monoclonal

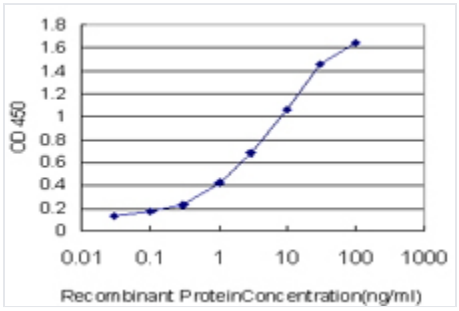
PRODUCT OVERVIEW

Product Name	CRX, Monoclonal Antibody
Full Product Name	CRX (Cone-rod Homeobox, CORD2, CRD, LCA7, OTX3) (Biotin)
Product Gene Name	anti-CRX antibody
Product Synonym Names	Cone-rod Homeobox; CORD2; CRD; LCA7; OTX3
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6D11
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified
Specificity	Recognizes CRX.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	32,261 Da
OMIM	120970
3D Structure	ModBase 3D Structure for O43186
Immunogen	CRX (NP_000545, 1aa-95aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MMAYMNPGPHYSVNALALSGPSVDLMHQAVPYPSAPRKQRRERTTFTRSQLEELEALFAKTQYPDVYAREEVALKINLPESRVQVWFKNRRAKCR
Conjugate	Biotin
Product Categories/Family for anti-CRX antibody	Antibodies; Transcription Factors; Homeobox (HOX)
Applications Tested/Suitable for anti-CRX antibody	Western Blot (WB)
Application Notes for anti-CRX antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-CRX antibody	The protein encoded by this gene is a photoreceptor-specific transcription factor which plays a role in the differentiation of photoreceptor cells. This homeodomain protein is necessary for the maintenance of normal cone and rod function. Mutations in this gene are associated with photoreceptor degeneration, Leber congenital amaurosis type III and the autosomal dominant cone-rod dystrophy 2. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some variants has not been determined. [provided by RefSeq]
Other Notes	Small volumes of anti-CRX 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.
Searchable Terms for CRX purchase	MBS6171237 is an antibody targeting CRX. Also known as CRX (Cone-rod Homeobox, CORD2, CRD, LCA7, OTX3) (Biotin). Host: Mouse.



Western Blot (WB) of anti-CRX antibody
CRX monoclonal antibody (M04), clone 6D11 Western Blot analysis of CRX expression in PC-12.



Testing Data of anti-CRX antibody
Detection limit for recombinant GST tagged CRX is approximately 0.1ng/ml as a capture antibody.

ADDITIONAL DETAILS

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

NCBI GI #	4557489
NCBI GeneID	1406
NCBI Accession #	NP_000545
UniProt Primary Accession #	O43186
UniProt Secondary Accession #	Q0QD45
UniProt Related Accession #	O43186
GenBank Nucleotide #	NM_000554
NCBI Official Full Name	cone-rod homeobox protein
NCBI Official Synonym Full Names	cone-rod homeobox
NCBI Official Symbol	CRX
NCBI Official Synonym Symbols	CRD; LCA7; OTX3; CORD2
UniProt Protein Name	Cone-rod homeobox protein
Protein Family	Cone-rod homeobox protein
UniProt Gene Name	CRX
UniProt Synonym Gene Names	CORD2
UniProt Entry Name	CRX_HUMAN
NCBI Protein Information	cone-rod homeobox protein; orthodenticle homeobox 3

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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