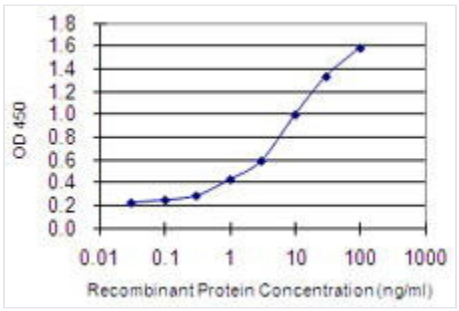
CRIPT Antibody – Mouse Monoclonal

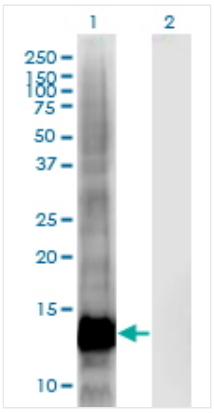
PRODUCT OVERVIEW

Product Name	CRIPT, Monoclonal Antibody
Full Product Name	CRIPT (Cysteine-Rich PDZ-Binding Protein, HSPC139) (Biotin)
Product Gene Name	anti-CRIPT antibody
Product Synonym Names	Cysteine-Rich PDZ-Binding Protein; HSPC139
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4D7
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified
Specificity	Recognizes CRIPT.
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 stor -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 made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	11,216 Da
OMIM	604594
3D Structure	ModBase 3D Structure for Q9P021
Immunogen	CRIPT (NP_054890.1, 1aa-101aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MVCEKCEKKLGTVITPDTWKDGARNTTESGGRKLNENKALTSKKARFDPYGKNKFSTCRICKSSVHQPGSHYCQGCAYKKGICAMCGKKVLDTKNYKQ
Conjugate	Biotin
Product Categories/Family for anti-CRIPT antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-CRIPT antibody	Western Blot (WB)
Application Notes for anti-CRIPT antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CRIPT antibody	MBS6174635 is an antibody targeting CRIPT. Also known as CRIPT (Cysteine-Rich PDZ-Binding Protein, HSPC139) (Biotin). Host: Mouse. Mouse monoclonal antibody raised against a partial recombinant CRIPT.

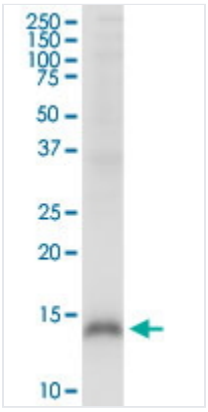
Other Notes	Small volumes of anti-CRIPT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry and additional dry ice fee may apply.



Testing Data of anti-CRIPT antibody
Detection limit for recombinant GST tagged CRIPT is 0.03 ng/ml as a capture antibody.



Western Blot (WB) of anti-CRIPT antibody
Western Blot analysis of CRIPT expression in transfected 293T cell line by CRIPT monoclonal antibody (M03), clone 4D7.Lane 1: CRIPT transfected lysate (Predicted MW: 11.2 KDa).Lane 2: Non-transfected lysate.



Western Blot (WB) of anti-CRIPT antibody
CRIPT monoclonal antibody (M03), clone 4D7. Western Blot analysis of CRIPT expression in HeLa.

ADDITIONAL DETAILS

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

NCBI GI #	7661798
NCBI GeneID	9419
NCBI Accession #	NP_054890.1
UniProt Primary Accession #	Q9P021
UniProt Related Accession #	Q9P021
GenBank Nucleotide #	NM_014171.5
NCBI Official Full Name	cysteine-rich PDZ-binding protein
NCBI Official Synonym Full Names	cysteine-rich PDZ-binding protein
NCBI Official Symbol	CRIPT
NCBI Official Synonym Symbols	SSMDF; HSPC139
UniProt Protein Name	Cysteine-rich PDZ-binding protein

UniProt Synonym Protein Names	Cysteine-rich interactor of PDZ three; Cysteine-rich interactor of PDZ3
Protein Family	Cysteine-rich PDZ-binding protein
UniProt Gene Name	CRIPT
UniProt Synonym Gene Names	Cysteine-rich interactor of PDZ3
UniProt Entry Name	CRIPT_HUMAN
NCBI Protein Information	cysteine-rich PDZ-binding protein; cysteine-rich interactor of PDZ three; cysteine-rich interactor of PDZ3; postsynaptic protein CRIPT
NCBI Summary for CRIPT	This gene encodes a protein that binds to the PDZ3 peptide recognition domain. The encoded protein may modulates protein interactions with the cytoskeleton. A mutation in this gene resulted in short stature with microcephaly and distinctive facies. [provided by RefSeq, Jun 2014]
UniProt Comments for CRIPT	CRIPT: Involved in the cytoskeletal anchoring of DLG4 in excitatory synapses. Belongs to the CRIPT family. Chromosomal Location of Human Ortholog: 2p21 Cellular Component: cell soma; postsynaptic density; cytoplasm; dendrite; dendritic spine; nucleolus; dendritic shaft; cell junction; nucleus Molecular Function: protein binding; microtubule binding; protein complex binding; PDZ domain binding Biological Process: establishment of protein localization; cytoplasmic microtubule organization and biogenesis Disease: Short Stature With Microcephaly And Distinctive Facies
Research Articles on CRIPT	**1.** Observational study of gene-disease association. (HuGE Navigator)
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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