CALB2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CALB2, Monoclonal Antibody
Full Product Name	CALB2 Mouse mAb
Product Gene Name	anti-CALB2 antibody
Product Synonym Names	CR; CAL2; CAB29
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5D2
Host	Mouse
Species Reactivity	Human
Form/Format	In PBS with 0.05% Sodium Azide
Purity/Purification	Affinity Purified
Preparation and Storage	Store at 4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.
Molecular Weight	31.5kDa
OMIM	114051
3D Structure	ModBase 3D Structure for P22676
Immunogen	Purified recombinant fragment of human CALB2 (AA: 1-271) expressed in E. Coli.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CALB2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FC/FACS), ELISA (EIA)
Application Notes for anti-CALB2 antibody	WB: 1:500-1:2000 IHC: 1:200-1:1000 FC/FACS: 1:200-1:400 ELISA: 1:10000
Related Product Information for anti-CALB2 antibody	This gene encodes an intracellular calcium-binding protein belonging to the troponin C superfamily. Members of this protein family have six EF-hand domains which bind calcium. This protein plays a role in diverse cellular functions, including message targeting and intracellular calcium buffering. It also functions as a modulator of neuronal excitability, and is a marker for some human diseases, including Hirschsprung disease and some cancers. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-CALB2 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 CALB2 purchase	MBS8539525 is an antibody targeting CALB2. Also known as CALB2 Mouse mAb. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CALB2. It may not necessarily be applicable to this product.

NCBI GI #	825634

NCBI GeneID	794
NCBI Accession #	CAA39992.1
UniProt Primary Accession #	P22676
NCBI Official Full Name	calretinin, partial
UniProt Protein Name	Calretinin
UniProt Synonym Protein Names	29 kDa calbindin
Protein Family	Calretinin
UniProt Gene Name	CALB2
UniProt Synonym Gene Names	CAB29; CR
UniProt Entry Name	CALB2_HUMAN
UniProt Comments for CALB2	CALB2: Calretinin is a calcium-binding protein which is abundant in auditory neurons. Belongs to the calbindin family. Protein type: Calcium-binding Chromosomal Location of Human Ortholog: 16q22.2 Cellular Component: cytoplasm; gap junction; nucleus Molecular Function: calcium ion binding Biological Process: cytosolic calcium ion homeostasis
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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