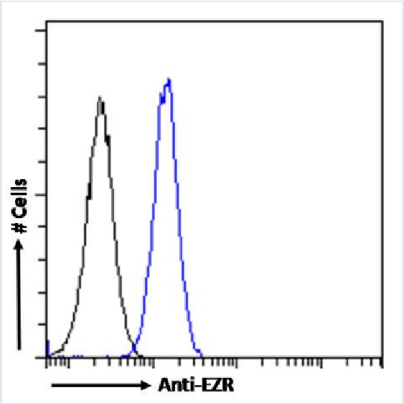
EZR Antibody – Rabbit Monoclonal

PRODUCT OVERVIEW

Product Name	EZR, Monoclonal Antibody
Full Product Name	Anti-EZR [SAIC-37C-23]
Product Gene Name	anti-EZR antibody
Product Synonym Names	Ezrin, VIL2
Clonality	Monoclonal
Isotype	Rabbit IgG, kappa
Clone Number	SAIC-37C-23
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% Proclin 300.
Purity/Purification	Purified antibody. Protein A affinity purified
Concentration	1mg/ml (lot specific)
Specificity	Recognizes human EZR.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.
Molecular Weight	69,413 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (159186773..159240456, complement). Location: 6q25.3
OMIM	123900
3D Structure	ModBase 3D Structure for P15311
Animal-free Manufacturing Platform	The recombinant antibody is manufactured using a recombinant, mammalian HEK293-based expression platform. The manufacturing platform is animal-free and animal component-free.
PMID	25512614
Product Categories/Family for anti-EZR antibody	immunoMRM
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EZR antibody	Western Blot (WB), immuno Multiple Reaction Monitoring (immuno-MRM)
Application Notes for anti-EZR antibody	Original data characterizing this antibody may be found here.
Related Product Information for anti-EZR antibody	Recombinant monoclonal antibody to EZR. Recombinant Platform with variable regions (i.e. specificity) from the B-cell cDNA library SAIC-37C-23. The KLH-conjugated peptide "SGYLSSER" derived from Ezrin, a protein likely involved in connections of major cytoskeletal structures to the plasma membrane.
Product References and Citations for anti-EZR antibody	Schoenherr et al. Anti-peptide monoclonal antibodies generated for immuno-multiple reaction monitoring-mass spectrometry assays have a high probability of supporting Western blot and ELISA. Mol Cell Proteomics Note on publication: Describes generation a panel of recombinant antibodies using synthetic peptides of human proteins as well as validation using ELISA and multiple reaction monitoring-mass spectrometry.

Other Notes	Small volumes of anti-EZR 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 EZR purchase	MBS488564 is an antibody targeting EZR. Also known as Anti-EZR [SAIC-37C-23]. Reactive in Human. Host: Rabbit.



Flow Cytometry (FC/FACS) of anti-EZR antibody
Flow cytometry using the Anti-EZR antibody SAIC-37C-23 (MBS488564). Paraformaldehyde fixed HeLa cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody (MBS488149; isotype control, black line) or the rabbit IgG version of SAIC-37C-23 (, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

ADDITIONAL DETAILS

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

NCBI GI #	161702986
NCBI GeneID	7430
NCBI Accession #	NP_001104547.1
UniProt Primary Accession #	P15311
UniProt Secondary Accession #	P23714; Q4VX75; Q96CU8; Q9NSJ4; E1P5A8
UniProt Related Accession #	P15311
GenBank Nucleotide #	NM_001111077.1
NCBI Official Full Name	ezrin
NCBI Official Synonym Full Names	ezrin
NCBI Official Symbol	EZR
NCBI Official Synonym Symbols	CVL; CVIL; VIL2
UniProt Protein Name	Ezrin
UniProt Synonym Protein Names	Cytovillin; Villin-2; p81
Protein Family	Ezrin
UniProt Gene Name	EZR
UniProt Synonym Gene Names	VIL2
UniProt Entry Name	EZRI_HUMAN
NCBI Protein Information	ezrin; p81; villin-2; cytovillin 2; villin 2 (ezrin)

NCBI Summary for EZR	The cytoplasmic peripheral membrane protein encoded by this gene functions as a protein-tyrosine kinase substrate in microvilli. As a member of the ERM protein family, this protein serves as an intermediate between the plasma membrane and the actin cytoskeleton. This protein plays a key role in cell surface structure adhesion, migration and organization, and it has been implicated in various human cancers. A pseudogene located on chromosome 3 has been identified for this gene. Alternatively spliced variants have also been described for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for EZR	Ezrin: a member of the ERM family which includes radixin and moesin. ERM proteins appear to function as cross-linkers between plasma membranes and actin-based cytoskeletons. Plays a key role in cell surface structure adhesion, migration, and organization. Protein type: Cytoskeletal; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 6q25.3 Cellular Component: cortical cytoskeleton; extracellular space; focal adhesion; microvillus; basolateral plasma membrane; T-tubule; actin filament; cytosol; actin cytoskeleton; lipid raft; ruffle; extrinsic to membrane; membrane; microvillus membrane; apical part of cell; apical plasma membrane; plasma membrane; nucleolus; uropod; vesicle; filopodium Molecular Function: actin filament binding; protein domain specific binding; protein binding; cell adhesion molecule binding Biological Process: microvillus biogenesis; axon guidance; actin filament bundle formation; regulation of cell shape; leukocyte adhesion; filopodium formation; cytoskeletal anchoring; receptor internalization; membrane to membrane docking; establishment of epithelial cell polarity
Research Articles on EZR	**1.** Ezrin expression affects the cellular protrusions/microvilli formation, anchorage-independent growth, cell migration and invasion in the pancreatic cancer cell line Panc-1.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/ezr/488564