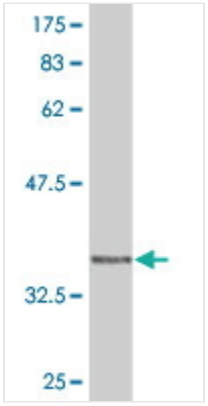
WAS Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	WAS, Monoclonal Antibody
Full Product Name	WAS (Wiskott-Aldrich Syndrome Protein, WASp, IMD2, SCNX, THC, THC1) (MaxLight 750)
Product Gene Name	anti-WAS antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	3H5
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human WAS.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of produc vial prior to removing the cap.
Molecular Weight	55kDa
OMIM	300299
3D Structure	ModBase 3D Structure for P42768
Immunogen	Partial recombinant protein corresponding to aa57-170 from human WAS with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	LPPGAEHWTKEHCGAVCFVKDNPQKSYFIRLYGLQAGRLLWEQELYSQLVYSTPTPFFHTFAGDDCQAGLNFADEDEAQAFRALVQEKIQKRNQRQSG
Conjugate	MaxLight750
Product Categories/Family for anti-WAS antibody	Antibodies; Disease Markers
Applications Tested/Suitable for anti-WAS antibody	FLISA, Western Blot (WB)
Application Notes for anti-WAS antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-WAS antibody	MaxLight750 is a new Near IR stable dye conjugate comparable to DyLight750, Alexa Fluor700 and offers better labeling efficiency, brighter imaging ar immunodetection. Absorbance (759nm); Emission (780nm); Extinction Coefficient 240,000.

Other Notes	Small volumes of anti-WAS antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa 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 ma
Searchable Terms for WAS purchase	MBS6236117 is an antibody targeting WAS. Also known as WAS (Wiskott-Aldrich Syndrome Protein, WASp, IMD2, SCNX, THC, THC1) (MaxLight 750 Host: Mouse.



Western Blot (WB) of anti-WAS antibody
Western Blot detection against immunogen using 135321 (38.28kD).

ADDITIONAL DETAILS

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

NCBI GI #	4507909
NCBI GeneID	7454
NCBI Accession #	NP_000368
UniProt Primary Accession #	P42768
UniProt Related Accession #	P42768
GenBank Nucleotide #	NM_000377
NCBI Official Full Name	wiskott-Aldrich syndrome protein
NCBI Official Synonym Full Names	WASP actin nucleation promoting factor
NCBI Official Symbol	WAS
NCBI Official Synonym Symbols	THC; IMD2; SCNX; THC1; WASP; WASPA
UniProt Protein Name	Wiskott-Aldrich syndrome protein
Protein Family	Wiskott-Aldrich syndrome protein
UniProt Gene Name	WAS
UniProt Synonym Gene Names	IMD2; WASp
UniProt Entry Name	WASP_HUMAN
NCBI Protein Information	wiskott-Aldrich syndrome protein

NCBI Summary for WAS	The Wiskott-Aldrich syndrome (WAS) family of proteins share similar domain structure, and are involved in transduction of signals from receptors on the cell surface to the actin cytoskeleton. The presence of a number of different motifs suggests that they are regulated by a number of different stimuli, and interact with multiple proteins. Recent studies have demonstrated that these proteins, directly or indirectly, associate with the small GTPase, Cdc42, known to regulate formation of actin filaments, and the cytoskeletal organizing complex, Arp2/3. Wiskott-Aldrich syndrome is a rare, inherited, X-linked, recessive disease characterized by immune dysregulation and microthrombocytopenia, and is caused by mutations in the WAS gene. The WAS gene product is a cytoplasmic protein, expressed exclusively in hematopoietic cells, which show signalling and cytoskeletal abnormalities in WAS patients. A transcript variant arising as a result of alternative promoter usage, and containing a different 5' UTR sequence, has been described, however, its full-length nature is not known. [provided by RefSeq, Jul 2008]
UniProt Comments for WAS	WASP: a member of the Wiskott-Aldrich syndrome (WAS) family of proteins. A cytoplasmic protein expressed exclusively in hematopoietic cells. Transduces signals from surface receptors to the actin cytoskeleton. Associates with the small GTPase, Cdc42, known to regulate formation of actin filaments, and the cytoskeletal organizing complex, Arp2/3. Mutated in Wiskott-Aldrich syndrome, a rare, inherited, X-linked, recessive disease characterized by immune dysregulation and microthrombocytopenia. Protein type: Adaptor/scaffold; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: Xp11.4-p11.21 Cellular Component: vesicle membrane; intercellular junction; cytosol; actin cytoskeleton Molecular Function: identical protein binding; protein binding; phospholipase binding; actin binding; SH3 domain binding; protein kinase binding Biological Process: epidermis development; T cell activation; actin filament-based movement; defense response; endosome transport; T cell receptor signaling pathway; actin filament polymerization; regulation of catalytic activity; actin polymerization and/or depolymerization; innate immune response; protein complex assembly; immune response; blood coagulation Disease: Thrombocytopenia 1; Neutropenia, Severe Congenital, X-linked
Research Articles on WAS	**1.** study indicates that anti-inflammatory macrophage function and mucosal immune tolerance require both WASP and DOCK8, and that IL-10 signalling modulates a WASP-DOCK8 complex
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/was/6236117