PI3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PI3, Monoclonal Antibody
Full Product Name	PI3 (Peptidase Inhibitor 3, skin-Derived, ESI, MGC13613, SKALP, WAP3, WFDC14, cementoin) (MaxLight 405)
Product Gene Name	anti-PI3 antibody
Product Synonym Names	Peptidase Inhibitor 3; skin-Derived; ESI; MGC13613; SKALP; WAP3; WFDC14; cementoin
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3C4
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified
Specificity	Recognizes PI3.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of produc vial prior to removing the cap.
Immunogen	PI3 (AAH10952, 1aa-117aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MRASSFLIVVVFLIAGTLVLEAAVTGVPVKGQDTVKGRVPFNGQDPVKGQVSVKGQDKVKAQEPVKGPVSTKPGSCPIILIRCAMLNPPNRCLKDTDCPGI
Conjugate	MaxLight405
Product Categories/Family for anti-PI3 antibody	Antibodies; Protease Inhibitors
Applications Tested/Suitable for anti-PI3 antibody	FLISA, Western Blot (WB)
Application Notes for anti-PI3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PI3 antibody	MaxLight405 is a new Violet photostable dye conjugate comparable to Alexa Fluor 405, PacificBlue, Brilliant Violet 421 and offers better labeling efficie increased immunodetection. Absorbance (400nm); Emission (423nm); Extinction Coefficient 32,000.
Other Notes	Small volumes of anti-PI3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary 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 PI3 purchase	MBS6197227 is an antibody targeting PI3. Also known as PI3 (Peptidase Inhibitor 3, skin-Derived, ESI, MGC13613, SKALP, WAP3, WFDC14, cement Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PI3. It may not necessarily be applicable to this product.

NCBI GI #	15012095
NCBI GeneID	5266
NCBI Accession #	AAH10952
UniProt Related Accession #	P19957
NCBI Official Full Name	Peptidase inhibitor 3, skin-derived
NCBI Official Synonym Full Names	peptidase inhibitor 3
NCBI Official Symbol	PI3
NCBI Official Synonym Symbols	ESI; WAP3; SKALP; WFDC14; cementoin
Protein Family	Elafin
NCBI Protein Information	elafin
NCBI Summary for PI3	This gene encodes an elastase-specific inhibitor that functions as an antimicrobial peptide against Gram-positive and Gram-negative bacteria, and fungal pathogens. The protein contains a WAP-type four-disulfide core (WFDC) domain, and is thus a member of the WFDC domain family. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene belongs to the centromeric cluster. Expression of this gene is upgulated by bacterial lipopolysaccharides and cytokines. [provided by RefSeq, Oct 2014]
Research Articles on PI3	**1.** Endothelial trappin-2 up-regulation partially due to Fli1 deficiency can be associated with the development of SSc vasculopathy.
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-antibody/pi3/6197227