Polymerase (DNA Directed), Mu (POLM) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	polymerase (DNA directed), mu (POLM), Polyclonal Antibody
Full Product Name	Rabbit anti-human polymerase (DNA directed), mu polyclonal Antibody
Product Gene Name	anti-POLM antibody
Product Synonym Names	polymerase (DNA directed); mu; POLM; FLJ35482; Tdt-N
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Antigen Affinity Purified
Molecular Weight	55,070 Da
OMIM	606344
Immunogen	Human POLM
Storage Buffer	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3. -20 degree C, Avoid freeze / thaw cycles.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-27768 / sc-27769
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-POLM antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-POLM antibody	MBS713367 is an antibody targeting POLM. Also known as Rabbit anti-human polymerase (DNA directed), mu polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-POLM 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.

ADDITIONAL DETAILS

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

NCBI GI #	119581528
NCBI GeneID	27434
NCBI Accession #	EAW61124.1
UniProt Secondary Accession #	Q6P5X8; Q86WQ9; D3DVK4
UniProt Related Accession #	Q9NP87
NCBI Official Full Name	polymerase (DNA directed), mu, isoform CRA_d
NCBI Official Synonym Full Names	polymerase (DNA directed), mu
NCBI Official Symbol	POLM
NCBI Official Synonym Symbols	Tdt-N; Pol Mu

UniProt Protein Name	DNA-directed DNA/RNA polymerase mu
UniProt Synonym Protein Names	Terminal transferase
Protein Family	DNA-directed DNA/RNA polymerase
UniProt Gene Name	POLM
UniProt Synonym Gene Names	polmu; Pol Mu
UniProt Entry Name	DPOLM_HUMAN
NCBI Protein Information	DNA-directed DNA/RNA polymerase mu; Pol iota; DNA polymerase mu; terminal transferase; polymerase (DNA-directed), mu
UniProt Comments for POLM	POLM: Gap-filling polymerase involved in repair of DNA double- strand breaks by non-homologous end joining (NHEJ). Participates in immunoglobulin (Ig) light chain gene rearrangement in V(D)J recombination. Belongs to the DNA polymerase type-X family. Protein type: DNA repair, damage; EC 2.7.7.7; Transferase Chromosomal Location of Human Ortholog: 7p13 Cellular Component: nucleoplasm Molecular Function: protein binding; DNA binding; metal ion binding; DNA-directed DNA polymerase activity Biological Process: B cell differentiation; somatic hypermutation of immunoglobulin genes; DNA repair; DNA recombination
Research Articles on POLM	**1.** A study of how Polmu fixes and/or orients the mobile Loop1 part of the protein in accordance with the substrate on which it is polymerizing.
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/polyclonal-human-antibody/polymerase-dna-directed-mu/713367