

Datasheet: HCA026

Description:	HUMAN ANTI HUMAN LYN
Specificity:	LYN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	2974
Isotype:	HuCAL Fab bivalent
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			1/100 - 1/500

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	A lyophilised, bivalent human recombinant Fab (lambda light chain) selected from the HuCAL® GOLD phage display library. Expressed in <i>E. coli</i> and purified using NiNTA affinity chromatography. This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the anti-body heavy chain.
Reconstitution	Reconstitute with 0.1ml distilled water
Preparation	Metal chelate affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Antibody concentration 1.0 mg/ml following reconstitution

Immunogen Recombinant human SRC.

External Database Links

UniProt:
[P07948](#) [Related reagents](#)

Entrez Gene:
[4067](#) LYN [Related reagents](#)

Specificity

Human anti Human Lyn antibody, clone 2974 recognizes the human Tyrosine-protein kinase Lyn, a 512 amino acid ~56kDa member of the Src family of kinases containing single [protein kinase](#), [SH2](#) and [SH3](#) domains. Lyn is also known as Lck/Yes-related novel protein tyrosine kinase, p53Lyn or p56Lyn.

Lyn is predominantly expressed in haematopoietic cells, and is involved in signalling from cell surface receptors such as CD40 and slg. Lyn plays multiple roles in processes such as proliferation, B-cell regulation and autoimmunity ([Ingley 2012](#)). Lyn expression has also been reported on human malignant lymphomas ([Choi et al. 1993](#)).

Storage

Prior to reconstitution store at +4°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

6 months from date of reconstitution.

Acknowledgements

Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.

Health And Safety Information

Material Safety Datasheet Documentation #10162 available at: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Licensed Use

For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.

Regulatory

For research purposes only

Technical Advice

Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#)

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)

Mouse Anti Human C-MYC (MCA2200...) [HRP](#)

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