

## Datasheet: HCA026

<b>Description:</b>	HUMAN ANTI HUMAN LYN
<b>Specificity:</b>	LYN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD02974
<b>Isotype:</b>	HuCAL Fab bivalent
<b>Quantity:</b>	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](http://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 lyophilized, bivalent human recombinant Fab (lambda light chain) selected from the HuCAL  $\diamond$  GOLD phage display library. Expressed in *E. coli* 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 0.1 ml distilled water

### Preparation

Metal chelate affinity chromatography

### Buffer Solution

Phosphate buffered saline

### Preservative

None present

## Stabilisers

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**Approx. Protein Concentrations** Antibody concentration 1.0 mg/ml following reconstitution

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**Immunogen** Recombinant human SRC

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## External Database Links

**UniProt:**

[P07948](#)    [Related reagents](#)

**Entrez Gene:**

[4067](#)    LYN    [Related reagents](#)

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**RRID** AB\_2138385

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**Specificity** **Human anti Human Lyn antibody, clone AbD02974** recognizes the human tyrosine-protein kinase Lyn, a 512 amino acid ~56 kDa 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 hematopoietic cells, and is involved in signaling from cell surface receptors such as CD40 and slg. Lyn plays multiple roles in processes such as proliferation, B-cell regulation and autoimmunity ([Ingleby 2012](#)). Lyn expression has also been reported on human malignant lymphomas ([Choi et al. 1993](#)).

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**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.

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**Guarantee** 6 months from date of despatch

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**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.  
His-tag is a registered trademark of EMD Biosciences.

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**Health And Safety Information** Material Safety Datasheet documentation #10162 available at:  
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

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

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**Regulatory** For research purposes only

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

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## Related Products

### Recommended Secondary Antibodies

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

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

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