

Datasheet: HCA139A

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|----------------------|-------------------------------------|
| Description: | HUMAN ANTI CHICKEN HEN EGG LYSOZYME |
| Specificity: | HEN EGG LYSOZYME |
| Other names: | HEL |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | AbD11397 |
| Isotype: | HuCAL Fab monovalent |
| Quantity: | 50 µg |

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 |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | | | ▪ | |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | 1ug/ml - 0.1µg/ml |
| Functional Assays | | | ▪ | |

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.

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| Target Species | Chicken |
| Species Cross Reactivity | Does not react with:Human |
| Product Form | A monovalent human recombinant Fab (lambda light chain) selected from the HuCAL phage display library, expressed in <i>E. coli</i> . The antibody is tagged with a V5-tag (GSGGAPGKPIPPLLGLDSTDAP) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This antibody is supplied liquid. |
| Preparation | Metal chelate affinity chromatography |

| | |
|---------------------------------------|---|
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.01% Thiomersal |
| Approx. Protein Concentrations | Total protein concentration 0.5mg/ml |
| Immunogen | Lysozyme from chicken egg white. |
| External Database Links | <p>UniProt: P00698 Related reagents</p> <p>Entrez Gene: 396218 LYZ Related reagents</p> |
| RRID | AB_10612252 |
| Specificity | <p>Human anti Chicken Hen Egg Lysozyme, clone AbD11397, specifically recognises Hen Egg Lysozyme (HEL), known also as muramidase or N-acetylmuramide glycanhydrolase, a 14kDa enzymic protein involved in the destruction of bacteria.</p> <p>Lysozyme damages bacterial cell walls by catalyzing hydrolysis of 1,4-beta-linkages between N-acetylmuramic acid and N-acetyl-D-glucosamine residues in a peptidoglycan and between N-acetyl-D-glucosamine residues in chitodextrins.</p> <p>Lysozyme is abundant in a number of secretions, such as tears, saliva, human milk and mucus. It is also present in cytoplasmic granules of PMN's and high concentrations of lysozyme are present in egg white. C-type lysozymes are closely related to alpha-lactalbumin in sequence and structure making them part of the same family.</p> |
| Storage | <p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p> |
| Guarantee | 12 months from date of despatch |
| Acknowledgements | <p>This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.</p> <p>His-tag is a registered trademark of EMD Biosciences.</p> |
| Health And Safety Information | Material Safety Datasheet documentation #10094 available at: 10094: https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf |

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

Goat Anti Human IgG F(ab')₂ (0500-0099...)

[HRP](#)

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA1396...)
[ALEXA FLUOR® 488](#), [ALEXA FLUOR® 647](#), [Alk. Phos.](#), [Biotin](#), [FITC](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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