

## PerCP/Cyanine5.5 anti-human Ig light chain $\lambda$ Antibody

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|--------------------------|--|
| <b>Catalog# / Size</b>   | 316617 / 25 tests<br>316618 / 100 tests  |
| <b>Clone</b>             | MHL-38   |
| <b>Regulatory Status</b> | RUO  |
| <b>Other Names</b>       | Immunoglobulin light chain lambda  |
| <b>Isotype</b>           | Mouse IgG2a, $\kappa$  |
| <b>Description</b>       | The MHL-38 antibody reacts with both soluble and membrane human immunoglobulin light chain lambda ( $\lambda$ ). It does not react with human immunoglobulin light chain kappa ( $\kappa$ ) or heavy chains. The MHL-38 antibody can be used as primary or secondary reagent for immunofluorescent staining or ELISA analysis. |

### Product Details

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|---------------------------------|---|
| <b>Reactivity</b>               | Human, Baboon, Cynomolgus, Rhesus   |
| <b>Antibody Type</b>            | Monoclonal  |
| <b>Host Species</b>             | Mouse   |
| <b>Immunogen</b>                | Human Ig cocktail   |
| <b>Formulation</b>              | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)   |
| <b>Preparation</b>              | The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions.   |
| <b>Concentration</b>            | Lot-specific (to obtain lot-specific concentration, please enter the lot number in our <a href="#">Concentration and Expiration Lookup</a> or <a href="#">Certificate of Analysis</a> online tools.)  |
| <b>Storage &amp; Handling</b>   | The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>   |
| <b>Application</b>              | <a href="#">FC - Quality tested</a>   |
| <b>Recommended Usage</b>        | Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is 5 $\mu$ l per million cells in 100 $\mu$ l staining volume or 5 $\mu$ l per 100 $\mu$ l of whole blood.<br><br>* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm. |
| <b>Excitation Laser</b>         | Blue Laser (488 nm)   |
| <b>Application Notes</b>        | Clone MHL-38 is not compatible with Human TruStain FcX (Fc Receptor Blocking Solution) (Cat. No. 422301 & 422302).  |
| <b>Additional Product Notes</b> | BioLegend is in the process of converting the name PerCP/Cy5.5 to PerCP/Cyanine5.5. The dye molecule remains the same, so you should expect the same quality and performance from our PerCP/Cyanine5.5 products. Contact <a href="#">Technical Service</a> if you have any questions.   |
| <b>Product Citations</b>        | 1. Poran A, <i>et al.</i> 2020. Cell Reports Medicine. 1(8):100141. <a href="#">PubMed</a>  |
| <b>RRID</b>                     | AB_2561511 (BioLegend Cat. No. 316617)<br>AB_2561512 (BioLegend Cat. No. 316618)  |

### Antigen Details

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| <b>Structure</b> | Ig family |
|------------------|-----------|

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|---------------------|----------------------|
| <b>Distribution</b> | B cells              |
| <b>Cell Type</b>    | B cells              |
| <b>Biology Area</b> | Immunology           |
| <b>Gene ID</b>      | <a href="#">3535</a> |

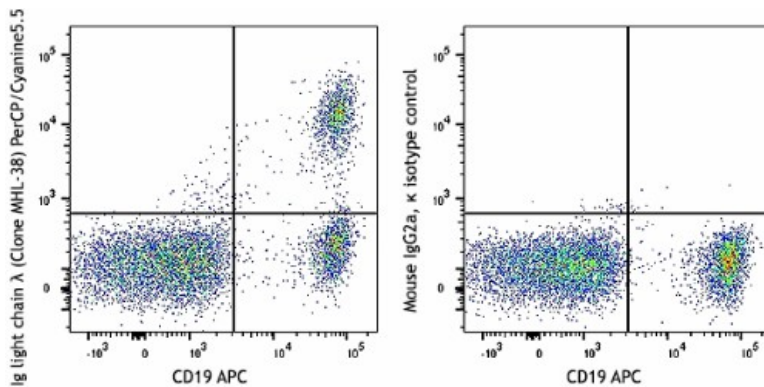
## Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

Purified anti-human Ig light chain  $\lambda$ , Biotin anti-human Ig light chain  $\lambda$ , FITC anti-human Ig light chain  $\lambda$ , PE anti-human Ig light chain  $\lambda$ , APC anti-human Ig light chain  $\lambda$ , Alexa Fluor® 488 anti-human Ig light chain  $\lambda$ , Alexa Fluor® 647 anti-human Ig light chain  $\lambda$ , Pacific Blue™ anti-human Ig light chain  $\lambda$ , PerCP/Cyanine5.5 anti-human Ig light chain  $\lambda$ , Purified anti-human Ig light chain  $\lambda$  (Maxpar® Ready), PE/Dazzle™ 594 anti-human Ig light chain  $\lambda$ , PE/Cyanine7 anti-human Ig light chain  $\lambda$ , APC/Fire™ 750 anti-human Ig light chain  $\lambda$ , TotalSeq™-A0898 anti-human Ig light chain  $\lambda$ , TotalSeq™-C0898 anti-human Ig light chain  $\lambda$ , Alexa Fluor® 700 anti-human Ig light chain  $\lambda$ , TotalSeq™-B0898 anti-human Ig light chain  $\lambda$ , APC/Cyanine7 anti-human Ig light chain  $\lambda$ , TotalSeq™-D0898 anti-human Ig light chain  $\lambda$

## Product Data



Human peripheral blood lymphocytes were stained with CD19 PE and Ig light chain  $\lambda$  (Clone MHL-38) PerCP/Cyanine5.5 (left), or mouse IgG2a,  $\kappa$  PerCP/Cyanine5.5 isotype control (right).

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