BOSTER
antibody and ELISA experts

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# Anti-LRRC32 Purified Monoclonal Antibody

**Catalog Number:** M08199

## About LRRC32

GARP (glycoprotein A repetitions predominant protein), also known as garpin or LRRC32 (leucin-rich repeat containing protein 32) is an approximately 80 kDa transmembrane glycoprotein detected on the surface of megakaryocytes, platelets, and activated Treg cells. It binds to the latency-associated peptide (LAP) domain of pro-TGF beta and regulates its storage and activation. The expression of GARP on Treg cells seems to be necessary for their suppressive functions.

## Overview

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| Product Name | Anti-LRRC32 Purified Monoclonal Antibody |
| Reactive Species | Human |
| Description | Boster Bio Anti-LRRC32 Purified Monoclonal Antibody (Catalog# M08199). Tested in WB application(s). This antibody reacts with Human. |
| Application | WB |
| Clonality | Monoclonal GARP5 |
| Formulation | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Storage Instructions | Store at 2-8°C. Do not freeze. |
| Host | Mouse |
| Uniprot ID | Q14392 |

## Technical Details

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| Immunogen | Purified human sGARP protein. The mouse monoclonal antibody GARP5 recognizes GARP / LRRC32, an approximately 80 kDa glycoprotein expressed e.g. on the surface of megakaryocytes, platelets and activated Treg cells. |
| Predicted Reactive Species | Primate |
| Cross Reactivity | As in case with other anti-CD170 antibodies, this antibody cross-reacts with Siglec-14, whose first two Ig domains are almost identical to those of CD170. |
| Isotype | Mouse IgG1 |
| Form | Liquid |
| Concentration | 1 mg/ml |
| Purification | Purified by protein-A affinity chromatography. |

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| Suggested Dilutions | Western blotting: 1-2 ug/ml; positive control: human thrombocytes, reducing conditions |

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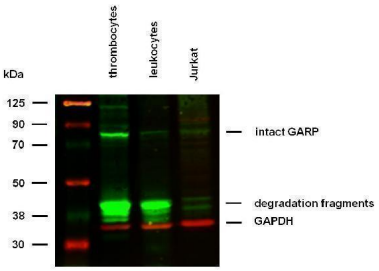
# Anti-LRRC32 Purified Monoclonal Antibody (M08199) Images




Anti-Hu GARP Purified (clone GARP5) works in WB application under reducing conditions. Western blotting analysis was performed on RIPA buffer extracts of thrombocytes, leukocytes, and Jurkat cells mixed with hot reducing SDS-loading buffer. Samples were resolved using 10% SDS-PAGE gel. Nitrocellulose membrane blot was probed with mouse IgG1 monoclonal antibody GARP5 (2 µg/ml), followed by IRDye 800CW Goat-anti-Mouse IgG (green). Mouse anti-GAPDH monoclonal antibody FF26A conjugated with DyLight 680 (0.1 µg/ml) was used as the loading control (red). Multiplex fluorescent Western blot detection was performed. GARP was detected at ~80 kDa in thrombocytes.



Anti-LRRC32 Purified Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.