

# Product datasheet

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ARG42366 anti-LRRC32 / GARP antibody [GARP5]

Package: 100 μg Store at: -20°C

## **Summary**

Product Description Mouse Monoclonal antibody [GARP5] recognizes LRRC32 / GARP

Tested Reactivity Hu
Tested Application WB

Specificity 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.

Host Mouse

Clonality Monoclonal
Clone GARP5
Isotype IgG1

Target Name LRRC32 / GARP

Species Human

Immunogen Purified Human sGARP protein.

Conjugation Un-conjugated

Alternate Names D11S833E; Glycoprotein A repetitions predominant; Garpin; GARP; Leucine-rich repeat-containing

protein 32

## **Application Instructions**

| Application table | Application  | Dilution    |
|-------------------|--|-------------|
|                   | WB   | 1 - 2 μg/ml |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |             |

#### **Properties**

Form Liquid

Purification Purification with Protein A.

Buffer PBS and 15 mM Sodium azide.

Preservative 15 mM Sodium azide

Concentration 1 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol LRRC32

Gene Full Name leucine rich repeat containing 32

Background This gene encodes a type I membrane protein which contains 20 leucine-rich repeats. Alterations in the

chromosomal region 11q13-11q14 are involved in several pathologies. [provided by RefSeq, Jul 2008]

Function Key regulator of transforming growth factor beta (TGFB1, TGFB2 and TGFB3) that controls TGF-beta

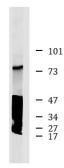
activation by maintaining it in a latent state during storage in extracellular space (PubMed:19750484, PubMed:19651619, PubMed:22278742). Associates specifically via disulfide bonds with the Latency-associated peptide (LAP), which is the regulatory chain of TGF-beta, and regulates integrin-dependent activation of TGF-beta (PubMed:22278742). Able to outcompete LTBP1 for binding to LAP regulatory chain of TGF-beta (PubMed:22278742). Controls activation of TGF-beta-1 (TGFB1) on the surface of activated regulatory T-cells (Tregs) (PubMed:19750484, PubMed:19651619). Required for epithelial fusion during palate development by regulating activation of TGF-beta-3 (TGFB3) (By similarity).

[UniProt]

Calculated Mw 72 kDa

Cellular Localization Membrane; Single-pass type I membrane protein. [UniProt]

### **Images**



Human thrombocyte

#### ARG42366 anti-LRRC32 / GARP antibody [GARP5] WB image

Western blot: Human thrombocyte lysates stained with ARG42366 anti-LRRC32 / GARP antibody [GARP5], under reducing conditions.