## Product Details

**Description:** MOUSE ANTI HUMAN CD32

**Specificity:** CD32

**Other names:** FcRII

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** AT10

**Isotype:** IgG1

**Quantity:** 25 µg

### 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).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td>20ug/ml</td>
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<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td>1/500 - 1/1000</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<tr>
<td>Immunoprecipitation</td>
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<td>20ug/ml</td>
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<tr>
<td>Western Blotting</td>
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Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1) The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

### Target Species

**Human**

### Species Cross Reactivity

Reacts with: Dog, Rhesus Monkey, Pig

N.B. Antibody reactivity and working conditions may vary between species.

### Product Form

**Purified IgG - liquid**

### Preparation

Purified IgG prepared by affinity chromatography on Protein A

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide

### Approx. Protein

IgG concentration 1 mg/ml
Concentrations

Immunogen  K562 cell line.

External Database Links

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<thead>
<tr>
<th>UniProt</th>
<th>Related reagents</th>
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<tr>
<td>P12318</td>
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<td>P31994</td>
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Entrez Gene:

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<tr>
<th>GeneID</th>
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<tr>
<td>2212</td>
<td>FCGR2A</td>
<td>Related reagents</td>
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<td>2213</td>
<td>FCGR2B</td>
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<tr>
<td>9103</td>
<td>FCGR2C</td>
<td>Related reagents</td>
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</table>

Synonyms  CD32, FCG2, FCGR2A1, IGFR2

RRID  AB_2293981

Fusion Partners  Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

Specificity  Mouse anti Human CD32 antibody, clone AT10 recognizes the human CD32 antigen, a ~40 kDa glycoprotein that acts as a low affinity receptor for IgG (also known as Fc gamma RII). CD32 mediates several functions including endocytosis, activation of secretion, cytotoxicity and immunomodulation. CD32 is expressed by B cells, monocytes, granulocytes and platelets.

Mouse anti Human CD32 antibody, clone AT10 blocks the binding of IgG to Fc gamma RII (Larsson et al. 1997).

Flow Cytometry  Use 10ul of the suggested working dilution to label 10^6 cells or cells or 100ul whole blood.

Histology Positive Control Tissue  Lymph node

References

10. Araújo, M.S. et al. (2011) Immunological changes in canine peripheral blood leukocytes triggered by immunization with first or second generation vaccines against canine visceral leishmaniasis. Vet Immunol Immunopathol. 141: 64-75.

Storage
Store at +4°C or at -20°C if preferred.
This product should be stored undiluted.
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.

Guarantee
18 months from date of despatch.

Health And Safety Information

Regulatory
For research purposes only

Related Products
Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR12...) RPE
Rabbit Anti Mouse IgG (STAR8...)
Rabbit Anti Mouse IgG (STAR13...)
Goat Anti Mouse IgG (STAR76...)
Goat Anti Mouse IgG (STAR70...)
Goat Anti Mouse IgG (Fc) (STAR120...)
Rabbit Anti Mouse IgG (STAR9...)
Goat Anti Mouse IgG (H/L) (STAR117...)

**Recommended Negative Controls**

**MOUSE IgG1 NEGATIVE CONTROL (MCA928)**

North & South America
Tel: +1 800 265 7376
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Email: antibody_sales_uk@bio-rad.com

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'**M342870:190110**'

Printed on 18 Oct 2019

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