### Description
MOUSE ANTI HUMAN CD47

### Specificity
CD47

### Other names
SIRP LIGAND

### Format
Purified

### Product Type
Monoclonal Antibody

### Clone
BRIC126

### Isotype
IgG2b

### Quantity
25 µg

### Applications

<table>
<thead>
<tr>
<th>Applications</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>1/10</td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>ELISA</td>
<td>-</td>
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<td>-</td>
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<tr>
<td>Immunoprecipitation</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Western Blotting (1)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Functional Assays (2)</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tbody>
</table>

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) BRIC126 recognizes CD47 under non-reducing conditions, the CD47 epitope recognized is lost on reduction, see Shahein et al. for details.

(2) This product contains sodium azide, removal by dialysis is recommended prior to use in functional assays. Our Slide-A-Lyzer® Dialysis Cassette (EQU003) is recommended suitable for this purpose.

### Target Species
Human

### Species Cross Reactivity
Reacts with: Dog, Bovine, Sheep, 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 G from tissue culture supernatant

### Buffer Solution
TRIS buffered saline
<table>
<thead>
<tr>
<th>Preservative Stabilisers</th>
<th>0.09% Sodium Azide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. Protein Concentrations</td>
<td>IgG concentration 1 mg/ml</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Human erythrocytes</td>
</tr>
<tr>
<td>External Database Links</td>
<td>UniProt: <a href="UniProt">Q08722</a> Related reagents</td>
</tr>
<tr>
<td></td>
<td>Entrez Gene: <a href="Entrez">961</a> CD47 Related reagents</td>
</tr>
<tr>
<td>Synonyms</td>
<td>MER6</td>
</tr>
<tr>
<td>Specificity</td>
<td><strong>Mouse anti human CD47 antibody, clone BRIC126</strong> recognises the human CD47 cell surface glycoprotein, a heavily N-glycosylated 47-52 kDa molecule. CD47 is expressed on all cells and tissues so far examined, although expression is reduced on erythrocytes of the rare Rh null phenotype.</td>
</tr>
<tr>
<td>Flow Cytometry</td>
<td>Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.</td>
</tr>
</tbody>
</table>
Further Reading


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

Material Safety Datasheet documentation #10040 available at:

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...) DyLight®680
Rabbit Anti Mouse IgG (STAR13...) HRP
Goat Anti Mouse IgG (STAR76...) RPE
Goat Anti Mouse IgG (STAR70...) FITC
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Rabbit Anti Mouse IgG (STAR9...) FITC
Human Anti Mouse IgG2b (HCA038...) FITC
Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®549,
DyLight®649, DyLight®680, DyLight®800,
FITC, HRP

Recommended Negative Controls

MOUSE IgG2b NEGATIVE CONTROL (MCA691)