Datasheet: MCA1642

Description: RAT ANTI HUMAN CD52
Specificity: CD52
Other names: CAMPATH-1
Format: Purified
Product Type: Monoclonal Antibody
Clone: YTH34.5
Isotype: IgG2b
Quantity: 0.2 mg

RRID AB_321470

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.

<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>
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<td>1/20</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>1/20</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>1/20 - 1/40</td>
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<td>Immunohistology - Resin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<tr>
<td>Cytotoxic Assays</td>
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<td>50ug/ml (Use human serum as complement source)</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.

Target Species: Human

Species Cross Reactivity: Reacts with: Rhesus Monkey
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 from tissue culture supernatant

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% Sodium Azide
IgG concentration 1.0 mg/ml

Human lymphocytes.

UniProt: P31358 Related reagents

1043 CD52 Related reagents

CDW52, HE5

Rat anti Human CD52 antibody, clone YTH34.5 reacts with the human CD52 antigen, also known as CAMPATH-1. The CD52 antigen is a remarkably small but heavily glycosylated peptide attached to the cell surface membrane via a GPI link (Xia et al. 1991).

The apparent molecular mass of the native antigen on SDS-PAGE is 25-29kDa, considerably reduced following N-glycanase treatment (Rowan et al. 1998).

CD52 is expressed at high density by lymphocytes, monocytes, eosinophils, thymocytes and macrophages. It is expressed by most lymphoid derived malignancies, although expression on myeloma cells is variable.

Humanized versions of CAMPATH-1 specific antibodies are currently in clinical trials for the treatment of a range of lymphoid malignancies (Dearden et al. 2002; Pettitt et al. 2012).

use 10ul of the suggested working dilution to label 1 x 10^6 cells in 100ul.

Tonsil


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

Regulatory
For research purposes only

Recommended Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...)
Goat Anti Rat IgG (STAR69...)
Goat Anti Rat IgG (STAR131...)
Goat Anti Rat IgG (STAR73...)

FITC
FITC
Alk. Phos., Biotin
RPE
Rabbit Anti Rat IgG (STAR21...)  HRP
Goat Anti Rat IgG (STAR72...)  HRP
Rabbit Anti Rat IgG (STAR16...)  DyLight®800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)  DyLight®800

Recommended Negative Controls

RAT IgG2b NEGATIVE CONTROL (MCA6006GA)

Recommended Useful Reagents

HUMAN ANTI ALEMTUZUMAB (HCA174)
HUMAN ANTI ALEMTUZUMAB (HCA175)

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