Datasheet: MCA1038GA

Description: RAT ANTI DOG CD4
Specificity: CD4
Format: Purified
Product Type: Monoclonal Antibody
Clone: YKIX302.9
Isotype: IgG2a
Quantity: 0.1 mg

Product Details

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.

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<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</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.

Target Species: Dog

Product Form: Purified IgG - liquid

Preparation: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% Sodium Azide (NaN₃)

Carrier Free: Yes

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Immunogen: Canine concanavalin A activated T cell blasts.

External Database: UniProt:
Fusion Partners

Spleen cells from immunised DA rats were fused with cells of the Y3Ag1.2.3 rat myeloma cell line.

Specificity

Rat anti Dog CD4 antibody, clone YKIX302.9, is a monoclonal antibody specific for the canine CD4 cell surface antigen. Clone YKIX302.9 was clustered at the first Canine Leukocyte Antigen Workshop (CLAW) [Cobbold et al. 1992] along with clone CA13.1E4.

Rat anti Dog CD4 antibody, clone YKIX302.9 partially depletes circulating T lymphocytes when administered in vivo, but alone is not sufficient to prolong allograft survival in a canine transplant model (Watson et al. 1993).

Uniquely amongst mammals, canine CD4 is expressed by neutrophils as well as by lymphocytes subsets Moore et al. 1992.

Flow Cytometry

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

References

14. Tominaga, M. et al. (2010) Flow cytometric analysis of peripheral blood and tumor-infiltrating...

Storage
Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life
18 months from date of despatch.

Health And Safety Information
Material Safety Datasheet documentation #10040 available at:

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...)  FITC
Goat Anti Rat IgG (STAR69...)  FITC
Goat Anti Rat IgG (STAR131...)  Alk. Phos., Biotin
Goat Anti Rat IgG (STAR73...)  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®649, DyLight®800

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