Datasheet: MCA609GT

Description: RAT ANTI MOUSE CD8 ALPHA
Specificity: CD8 ALPHA
Other names: LY-2
Format: Purified
Product Type: Monoclonal Antibody
Clone: KT15
Isotype: IgG2a
Quantity: 25 μg

Product Details

Applications

<table>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen (1)</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: Mouse
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
Carrier Free: Yes
Approx. Protein Concentrations
IgG concentration 1 mg/ml

Immunogen
T cell clone, C6

External Database Links
UniProt:
P01731 Related reagents

Entrez Gene:
12525 Cd8a Related reagents

Synonyms
Lyt2, Lyt-2

RRID
AB_1102371

Fusion Partners
Spleen cells from immunized SD rats were fused with cells of the NS0 mouse myeloma cell line

Specificity
Rat anti mouse CD8α, clone KT15, recognizes the alpha chain of mouse CD8. CD8 is a heterodimeric protein composed of disulfide-linked CD8α and CD8β chains that is expressed primarily on cytotoxic T-cells. CD8 functions in the interaction with MHC Class I-bearing targets and plays a role in T-cell-mediated killing (Nakauchi, H. et al., 1985 & Nakauchi, H. et al., 1987).

Clone KT15 is reported to block T-cell-mediated cytotoxicity in in vitro assays (Zeis, M. et al., 2002).

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

References

Storage
Store at +4°C for one month or at -20°C for longer.

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

- Rabbit Anti Rat IgG (STAR17...) FITC
- Goat Anti Rat IgG (STAR69...) FITC
- Goat Anti Rat IgG (STAR131...) Alk. Phos., Biotin
- Goat Anti Rat IgG (START73...) RPE
- Rabbit Anti Rat IgG (STAR21...) HRP
Rat IgG2a NEGATIVE CONTROL (MCA1212)

Recommended Negative Controls

Goat Anti Rat IgG (STAR72...) HRP
Rabbit Anti Rat IgG (STAR16...) DyLight®800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) DyLight®800

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