

Datasheet: MCA1493

BATCH NUMBER 149727

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| Description: | RAT ANTI MOUSE INTERLEUKIN-2 |
| Specificity: | IL-2 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | JES6-1A12 |
| Isotype: | IgG2a |
| Quantity: | 0.5 mg |

Product Details

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.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | 1ug/ml - 4ug/ml |
| Immunoprecipitation | ▪ | | | |
| Western Blotting | ▪ | | | 1ug/ml - 5ug/ml |

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.

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| Target Species | Mouse |
| Species Cross Reactivity | Does not react with:Rat |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |

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| Carrier Free | Yes |
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | <i>E. coli</i> expressed recombinant mouse IL-2. |
| External Database Links | <p>UniProt: P04351 Related reagents</p> <p>Entrez Gene: 16183 IL2 Related reagents</p> |
| Synonyms | IL-2 |
| RRID | AB_322133 |
| Specificity | <p>Rat anti mouse IL-2, clone JES6-1A12 recognizes mouse Interleukin-2. IL-2 is a cytokine required for T-cell proliferation.</p> <p>Rat anti mouse IL-2, clone JES6-1A12 is reported to have neutralizing activity for IL-2 (Abrams <i>et al.</i> 1992) and Bihl <i>et al.</i> 2010).</p> |
| ELISA | Clone JES6-1A12 may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with MCA1303G clone JES6-5H4 as the detection reagent. Conjugation of MCA1303G will be required. Bio-Rad recommends the use of LYNX rapid conjugation kits . |
| References | <ol style="list-style-type: none"> 1. Abrams, J.S. <i>et al.</i> (1992) Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. Immunol Rev. 127: 5-24. 2. Sander, B. <i>et al.</i> (1993) Similar frequencies and kinetics of cytokine producing cells in murine peripheral blood and spleen. Cytokine detection by immunoassay and intracellular immunostaining. J Immunol Methods. 166 (2): 201-14. 3. Bihl, F. <i>et al.</i> (2010) Primed antigen-specific CD4+ T cells are required for NK cell activation in vivo upon Leishmania major infection. J Immunol. 185: 2174-81 4. Tachibana, M. <i>et al.</i> (2000) Coreceptor function of mutant human CD4 molecules without affinity to gp120 of human immunodeficiency virus. J Biol Chem. 275: 20288-94. |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p> |
| Guarantee | 12 months from date of despatch |

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA1493>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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|--|---|
| Rabbit Anti Rat IgG (STAR16...) | DyLight@800 |
| Rabbit Anti Rat IgG (STAR17...) | FITC |
| Goat Anti Rat IgG (STAR69...) | FITC |
| Goat Anti Rat IgG (STAR73...) | RPE |
| Rabbit Anti Rat IgG (STAR21...) | HRP |
| Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) | DyLight@550 , DyLight@650 , DyLight@800 |
| Goat Anti Rat IgG (STAR131...) | Alk. Phos. , Biotin |
| Goat Anti Rat IgG (STAR72...) | HRP |

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|----------------------------------|---|------------------|---|---------------|---|
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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M365375:200529'

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