Datasheet: MCA2098G
BATCH NUMBER 158613

Product Details

Description: MOUSE ANTI HUMAN IgG4
Specificity: IgG4
Format: Purified
Product Type: Monoclonal Antibody
Clone: HP6025
Isotype: IgG1
Quantity: 0.2 mg

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.

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<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
Human

Species Cross Reactivity
Reacts with: Chimpanzee

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form
Purified IgG - liquid

Buffer Solution
Borate buffered saline
Preservative Stabilisers
0.09% Sodium Azide

Approx. Protein Concentrations
IgG concentration 0.5mg/ml

Immunogen
Purified IgG4

External Database Links
UniProt: [P01861](https://www.uniprot.org/uniprot/P01861) Related reagents

RRID
AB_323685

Fusion Partners
Spleen cells from BALB/c mice were fused with SP2/0 - Ag14 mouse myeloma cell line.

Specificity
Mouse anti Human IgG4 antibody, clone HP6025 recognizes the heavy chain of human IgG4, at an epitope in the Fc region. No cross-reactivity is observed with IgG1, IgG2, IgG3, IgM, IgA ([Jefferis et al. 1985](#)). Elevated levels of IgG4 and of IgG4 presenting plasma cells are frequently seen in patients with autoimmune pancreatitis (IAP) and inflammatory bowel disease ([Navaneethan et al. 2011](#)) and it is suggested that IAP may develop as a paraneoplastic syndrome in some cancer patients ([Shiokawa et al. 2013](#)).

References

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10077 available at: https://www.bio-rad-antibodies.com/SDS/MCA2098G
10077

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies