

Datasheet: 0300-0230

BATCH NUMBER 050413

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| Description: | RABBIT ANTI HUMAN C4d |
| Specificity: | C4d |
| Other names: | COMPLEMENT COMPONENT 4d |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 0.25 ml |

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 |
|--------------------------------|-----|----|----------------|--------------------|
| Immunohistology - Frozen | ▪ | | | 1/20 - 1/80 |
| Immunohistology - Paraffin (1) | ▪ | | | 1/20 - 1/80 |
| Immunofluorescence | ▪ | | | 1/20 - 1/80 |

Where this product 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 product for use in their own system using the appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. TRIS/EDTA buffer pH 8.5 is recommended for this purpose.

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| Target Species | Human |
| Product Form | Purified Ig - liquid |
| Preparation | Purified Ig prepared by affinity chromatography on Protein G |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.1% Proclin™300 |
| Immunogen | Synthetic peptide corresponding to amino acids 1241-1256 of C4 conjugated to Keyhole limpet Haemocyanin. |

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|--------------------------------------|---|
| External Database Links | <p>UniProt:</p> <p>P0C0L4 Related reagents</p> <p>P0C0L5 Related reagents</p> <p>Entrez Gene:</p> <p>720 C4A Related reagents</p> <p>721 C4B Related reagents</p> |
| Synonyms | CO4, CPAMD2, CPAMD3 |
| Specificity | Rabbit anti Human C4d antibody is specific for human complement split product C4d. |
| References | <ol style="list-style-type: none"> 1. Regele, H. <i>et al.</i> (2001) Endothelial C4d deposition is associated with inferior kidney allograft outcome independently of cellular rejection. Nephrol Dial Transplant. 16 (10): 2058-66. 2. Santos, A. <i>et al.</i> (2012) C4d detection in renal allograft biopsies: immunohistochemistry vs. immunofluorescence Port J Nephrol Hypert 26 (4): 272-277. 3. Titipungul, T. <i>et al.</i> (2012) Percentage of C4d staining in lupus nephritis and correlation between C4d staining with serum C3, serum C4 level and other parameter in lupus nephritis. Mahasarakham Hospital Journal 9: 27-34 4. Viana, H. <i>et al.</i> (2009) C4d presence in kidney allograft biopsy: sensitivity and specificity of immunoperoxidase vs. immunofluorescence. N: 10th Banff Conference on Allograft Pathology, 2009, 9 a 14 Ago. Banff, Alberta, Canada 5. Sreedharanunni, S. <i>et al.</i> (2014) An analysis of transplant glomerulopathy and thrombotic microangiopathy in kidney transplant biopsies. Transpl Int. 27 (8): 784-92. 6. Sethi S. <i>et al.</i> (2015) C4d as a Diagnostic Tool in Proliferative GN J Am Soc Nephrol. May 19. [Epub ahead of print] |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.</p> |
| Guarantee | 18 months from date of despatch. |
| Health And Safety Information | <p>Material Safety Datasheet documentation available at: https://www.bio-rad-antibodies.com/SDS/0300-0230</p> <p>Material Safety Datasheet Documentation #10199 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10199.pdf</p> |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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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

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