

Datasheet: 0300-0230

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.

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.

**External Database
Links**

UniProt:

[P0C0L4](#) [Related reagents](#)
[P0C0L5](#) [Related reagents](#)

Entrez Gene:

[720](#) C4A [Related reagents](#)
[721](#) C4B [Related reagents](#)

Synonyms

CO4, CPAMD2, CPAMD3

RRID

AB_620313

Specificity

Rabbit anti Human C4d antibody is specific for human complement split product C4d.

References

1. Regele, H. *et al.* (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. *et al.* (2012) C4d detection in renal allograft biopsies: immunohistochemistry vs. immunofluorescence [Port J Nephrol Hypert 26 \(4\): 272-7.](#)
3. Sethi, S. *et al.* (2015) C4d as a Diagnostic Tool in Proliferative GN. [J Am Soc Nephrol. 26 \(11\): 2852-9.](#)
4. Viana, H. *et al.* (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. *et al.* (2014) An analysis of transplant glomerulopathy and thrombotic microangiopathy in kidney transplant biopsies. [Transpl Int. 27 \(8\): 784-92.](#)
6. Hanaoka, K. *et al.* (2019) Benefits of a loading dose of tacrolimus on graft survival of kidney transplants in nonhuman primates [Transplant Immunology. 52: 32-9.](#)
7. Mahakur, S. *et al.* (2018) Allo-specific immune response profiles indicative of acute rejection in kidney allografts using an *in vitro* lymphocyte culture-based model. [Clin Exp Nephrol. 22 \(2\): 465-73.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

Guarantee

Guaranteed until date of expiry. Please see product label.

**Health And Safety
Information**

Material Safety Datasheet documentation #10199 available at:
10199: <https://www.bio-rad-antibodies.com/uploads/MSDS/10199.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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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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