

## Datasheet: 0300-0230

<b>Description:</b>	RABBIT ANTI HUMAN C4d
<b>Specificity:</b>	C4d
<b>Other names:</b>	COMPLEMENT COMPONENT 4d
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified Ig - liquid
<b>Preparation</b>	Purified Ig prepared by affinity chromatography on Protein G
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	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](#)

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<b>Synonyms</b>	CO4, CPAMD2, CPAMD3
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<b>Specificity</b>	<b>Rabbit anti Human C4d antibody</b> is specific for human complement split product C4d.
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<b>References</b>	<ol style="list-style-type: none"><li>1. Regele, H. <i>et al.</i> (2001) Endothelial C4d deposition is associated with inferior kidney allograft outcome independently of cellular rejection. <a href="#">Nephrol Dial Transplant. 16 (10): 2058-66.</a></li><li>2. Santos, A. <i>et al.</i> (2012) C4d detection in renal allograft biopsies: immunohistochemistry vs. immunofluorescence <a href="#">Port J Nephrol Hypert 26 (4): 272-277.</a></li><li>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. <a href="#">Mahasarakham Hospital Journal 9: 27-34</a></li><li>4. Viana, H. <i>et al.</i> (2009) C4d presence in kidney allograft biopsy: sensitivity and specificity of immunoperoxidase vs. immunofluorescence. <a href="#">N: 10th Banff Conference on Allograft Pathology, 2009, 9 a 14 Ago. Banff, Alberta, Canada</a></li><li>5. Sreedharanunni, S. <i>et al.</i> (2014) An analysis of transplant glomerulopathy and thrombotic microangiopathy in kidney transplant biopsies. <a href="#">Transpl Int. 27 (8): 784-92.</a></li><li>6. Sethi, S. <i>et al.</i> (2015) C4d as a Diagnostic Tool in Proliferative GN. <a href="#">J Am Soc Nephrol. 26 (11): 2852-9.</a></li></ol>
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<b>Storage</b>	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.
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<b>Shelf Life</b>	18 months from date of despatch.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>
Sheep Anti Rabbit IgG (STAR35...)	<a href="#">RPE</a>
Goat Anti Rabbit IgG (H/L) (STAR124...)	<a href="#">HRP</a>
Goat Anti Rabbit IgG (Fc) (STAR121...)	<a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Sheep Anti Rabbit IgG (2AB02...)	<a href="#">Biotin</a>
Sheep Anti Rabbit IgG (STAR36...)	<a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> , <a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a>

### Recommended Useful Reagents

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

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

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