Antibodies

Data Sheet

HUMAN C4D

ANTIBODY, POLYCLONAL

Catalog no.: BI-RC4D

Immunogen: Synthetic human complement split product C4d (aa 1242-1256 of C4) KLH conjugated (SPTPAPRNPSDPMPQC)

Underlined amino acids were added for technical reasons.

Swiss-Prot No: P0C0L4

Gene Information: Gene Name: C4A, CO4, CPAMD2

GeneID: 720, 721

Host: Rabbit

Matrix: Serum, Protein G purified, PBS, 0,1% Proclin 950

Specificity: Human complement split product C4d

Contents: 250 µl (liquid)

Known applications: Immunohistochemistry (paraffin sections, cryosections; 1:30-50)

Pretreatment of slides by pressure cooking (5 min at 125°C in TRIS/EDTA pH 8.5) is highly recommended.

This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.

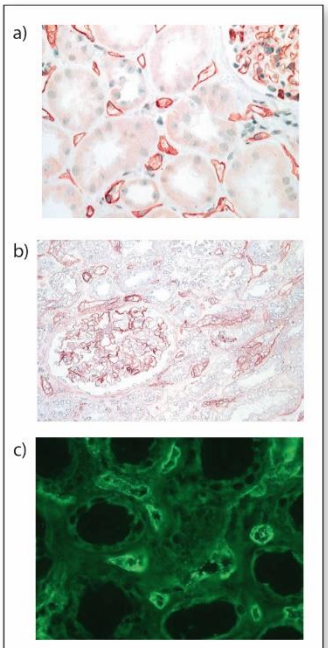

Figure 1: BI-RC4D was used for immunohistological staining of (a) paraffin embedded tissue sections and (b) cryosections. (c) BI-RC4D was also used for immunofluorescent stainings (dilution 1:20).

Store at: 2-8 °C (do not freeze)

References:

1. Regele H, Exner M, Watschinger B, Wenter C, Wahrmann M, Osterreicher C, Saemann MD, Mersich N, Horl WH, Zlabinger GJ, Bohmig GA (2001). Endothelial C4d deposition is associated with inferior kidney allograft outcome independently of cellular rejection. *Nephrol Dial Transplant* **16**(10)**:** 2058-2066.

2. Bohmig GA, Regele H, Exner M, Derhartunian V, Kletzmayr J, Saemann MD, Horl WH, Druml W, Watschinger B (2001). C4d-positive acute humoral renal allograft rejection: effective treatment by immunoadsorption. *J Am Soc Nephrol* **12**(11)**:** 2482-2489.

3. Regele H, Bohmig GA, Habicht A, Gollowitzer D, Schillinger M, Rockenschaub S, Watschinger B, Kerjaschki D, Exner M (2002). Capillary deposition of complement split product C4d in renal allografts is associated with basement membrane injury in peritubular and glomerular capillaries: a contribution of humoral immunity to chronic allograft rejection. *J Am Soc Nephrol* **13**(9)**:** 2371-2380.

4. Bohmig GA, Exner M, Habicht A, Schillinger M, Lang U, Kletzmayr J, Saemann MD, Horl WH, Watschinger B, Regele H (2002). Capillary C4d deposition in kidney allografts: a specific marker of alloantibody-dependent graft injury. *J Am Soc Nephrol* **13**(4)**:** 1091-1099.

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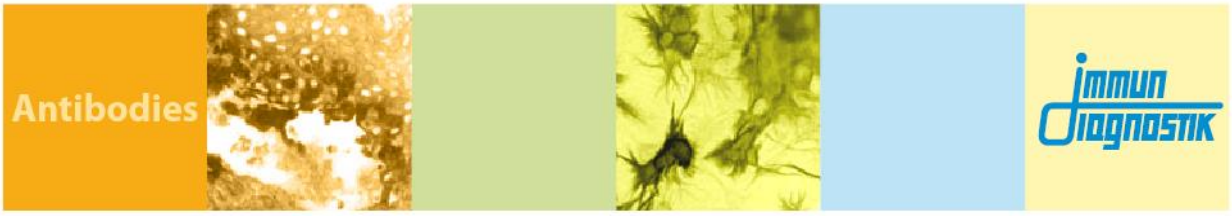

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For research use only

Publishing research using BI-RC4D? Please let us know so that we can cite your publication as a reference.

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