

# DATA SHEET – Anti human C4d Antibody (C4dpAb)

Cat.no.: BI- RC4D

- Source:** rabbit polyclonal
- Quantity:** 250µl/vial
- Conc.:** 0.2mg/ml
- Form:** liquid IgG fraction, purified by proteinG chromatography
- Immunogen:** synthetic peptide (15-mer peptide corresponding to aa 1242-1256 of C4) specific for human complement split product C4d coupled to KLH (keyhole limpet haemocyanine).
- Specificity:** The antibody will identify human complement split product C4d
- Application:** The antibody has been tested for use on paraffin sections and frozen sections of human tissue. Working protocol available.  
Recommended dilution for immunohistochemistry: 1:30 – 1:50  
Pretreatment of slides by pressure cooking (at least 10 minutes at 1 bar, 10mM citrate buffer pH 6,0) is highly recommended for antigen retrieval.
- Stability:** one month at +4 °C  
For prolonged period of time, aliquot and store at –20 to –80°C  
avoid repeated freeze-thaw cycles
- Shelf life:** Expiry date is stated on the label

## Literature:

1. Regele H et al. Endothelial C4d deposition is associated with inferior kidney allograft outcome independently of cellular rejection. Nephrol Dial Transplant. 2001, 16:2058-66
2. Böhmig GA et al. C4d-positive acute humoral renal allograft rejection: effective treatment by immunoabsorption. J Am Soc Nephrol, 2001 Nov; 12(11):2482-9
3. Böhmig GA et al. Capillary C4d deposition in kidney allografts: a specific marker of alloantibody-dependent graft injury. J Am Soc Nephrol, 2002 Apr; 13(4): 1091-9
4. Regele H et al. 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, 2002 in press

**The antibody is for research only. It is not intended for diagnostic or therapeutic use!**

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