C4d ANTIBODIES

Setting the standard for clinical research.

Marker for humoral rejection of kidney transplants.
C4d is the degradation product of the activated complement factor C4, a component of the classical complement cascade, which is typically initiated by binding of antibodies to specific target molecules. Detection of C4d is regarded as an indirect sign, a “footprint” of an antibody response against the allograft. The majority of publications describe C4d as an important marker in kidney transplantation but also in heart, liver, and other transplants.

Assay characteristics

**Anti C4d (BI-RC4D): CE**
- **Quantity:** 250 μl/vial
- **Form:** liquid IgG fraction, purified by Protein G chromatography
- **Application:** paraffin and frozen sections of human tissue

**Anti C4d, FITC (BI-RC4D-FITC)**
- **Quantity:** 100 μl/vial
- **Form:** liquid IgG fraction, purified by Protein G chromatography
- **Application:** flow cytometry

**Literature**

Complement-mediated microangiopathy in IgA nephropathy and IgA vasculitis with nephritics. Chua J.S. et al., Mod Pathol, 2019; 32, 1147-1157


C4d immunohistochemical stain of formalin-fixed paraffin-embedded tissue as a sensitive method in the diagnosis of bullous pemphigoid. Kamyab K et al., J Cutan Pathol. 2019;1:6


