DATA SHEET

FITC-Conjugated Anti-Human C4d Antibody (C4dpAb2-FITC)  Cat.no.: BI-RC4D-FITC

**Source:** rabbit polyclonal

**Quantity:** 100 µl/vial (125 tests)

**Form:** Liquid IgG fraction, purified by protein G chromatography. The antibody was conjugated with FITC under optimum conditions. The solution is free of unconjugated FITC.

**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 hemocyanine). The antibody was generated according to a previously published protocol (Ref. 1, Ref. 2).

**Specificity:** The antibody identifies human complement split product C4d. It specifically reacts with the C4d domain of C4 and therefore also binds to C4 and other C4d-containing split products. A detailed characterization of C4dpAb2 is published in Ref. 3.

**Application:** The antibody has been tested for the flow cytometric detection of cell- or solidphase-bound C4 and C4d split product of alloantibody-triggered C4d deposition to FlowPRA® Class I and II Screening Test beads (One Lambda, Inc., Canoga Park, CA, USA; Ref. 3). This assay ([C4d]FlowPRA) is applicable for the detection of complement-fixing anti-HLA alloantibodies (Ref. 3, Ref. 4). For [C4d]FlowPRA (see working protocol). A final dilution of 1:50 is recommended.

**Stability:** One month at +4 °C. For prolonged period of time, aliquot and store at –20°C to –80°C Avoid repeated freeze-thaw cycles. Protect from light.

**Shelf life:** 2 years from production at –20°C to –80°C

**Related products:** Anti-human C4d Antibody (C4dpAb), Cat.no.: BI-RC4D

**Literature**


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

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