

Product datasheet for **AM31865BT-N**

C5R1 (C5AR1) Rat Monoclonal Antibody [Clone ID: 8D6]

Product data:

Product Type: Primary Antibodies

Clone Name: 8D6

Applications: FC

Recommended Dilution: Flow Cytometry.
Immunohistochemistry on frozen sections.
Rezeptor blockage assays (unpublished results).

Tissue Distribution by Flow Cytometry Analysis:

Cell Source: Human PBL

Cell Concentration: 1x10e6 cells per test

Antibody Concentration Used: 1.0 µg/10e6 cells

Secondary Antibody: Streptavidin FITC 1/500 dilution

Reactivity: Human

Host: Rat

Isotype: IgG2a

Clonality: Monoclonal

Immunogen: RBL-2H3 (rat basophilic leukemia) transfected cells expressing human C5aR on the cell surface

Donor: Lou/c rat spleen cells

Specificity: This monoclonal antibody detects an epitope on the N terminus (aa 1-15) of the human C5a receptor (also known as CD88) found on human myeloid cells including granulocytes and monocytes/macrophages. It does not bind to tubular epithelial cells in situ under normal or inflammatory conditions. C5aR binds to C5a, a 74 aa peptide cleaved from complement protein C5. C5a receptor has seven transmembrane segments and is a member of the rhodopsin subfamily of G protein coupled receptors.

Formulation: PBS containing 0.02% sodium azide (NaN₃) as preservative and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

Label: Biotin

State: Liquid purified Ig fraction

Concentration: lot specific



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Purification:	Affinity chromatography on Protein G
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement component 5a receptor 1
Database Link:	Entrez Gene 728 Human P21730
Synonyms:	C5a-R, C5aR, C5AR1, Complement Component 5a Receptor 1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Complement and coagulation cascades, Neuroactive ligand-receptor interaction

Product images: