

Anti-C5aR [S5/1] Standard Size Ab01575-13.12

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG4-S228P, Kappa

Clone Number: S5/1

Alternative Name(s) of Target: CD88; C5a anaphylatoxin chemotactic receptor; C5a anaphylatoxin chemotactic receptor 1; C5a anaphylatoxin chemotactic receptor; C5a-R; C5aR

UniProt Accession Number of Target Protein: P21730

Published Application(s): Blocking, Functional Studies, IP, WB, ELISA, FC

Published Species Reactivity: Cow, Ferret, Rabbit, Human

Immunogen: This antibody was raised by immunizing mice with a synthetic peptide corresponding to C5a-R; amino acids: 1-31 (N terminal).

Specificity: S5/1 antibody recognizes the C5aR (CD88) protein, a 43 kDa receptor of C5a component of the complement cascade.

Application Notes: S5/1 antibody inhibits C5a binding to its receptor C5aR (Oppermann et al., 1993). Furthermore, this antibody has been widely applied in the detection and analysis of C5aR via various methods. For instance, it was used in a flow cytometric study on peripheral blood lymphocytes where it was shown to bind to monocytes and granulocytes (Oppermann et al., 1993). It was also utilized in the Western blot experiments comparing C5aR expression in different groups of mice (Panayiotou et al., 2017). S5/1 was also successful in labelling C5aR in the paraffin-embedded immunohistochemical samples of umbilical arteries (Fortin et al., 2002).

Antibody First Published in: Oppermann et al. Probing the human receptor for C5a anaphylatoxin with site-directed antibodies. Identification of a potential ligand binding site on the NH2-terminal domain. J Immunol. 1993 Oct 1;151(7):3785-94. [PMID:8376805](#)

Note on publication: This article describes the generation and characterization of the S5/1 antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.