



Rabbit Anti-phospho-C5R1 (Ser338) antibody

SL13816R

Product Name:	phospho-C5R1 (Ser338)
Chinese Name:	磷酸化补体成分5受体1抗体
Alias:	C5R1 (phospho S338); p-C5R1 (phospho S338); ANAPHYLATOXIN RECEPTOR; C5a anaphylatoxin chemotactic receptor; C5a anaphylatoxin receptor; C5A; C5a ligand; C5a-R; C5aR; C5AR_HUMAN; c5ar1; C5R1; CD88; CD88 antigen; Complement component 5 receptor 1; Complement component 5 receptor 1; Complement component 5 receptor 2; Complement component 5a receptor 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	39kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human C5R1 around the phosphorylation site of Ser338:TR(p-S)TV
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	CD88, also known as C5a receptor (C5aR), is a G protein-coupled integral membrane

protein. CD88, which is expressed on neutrophils, monocytes, macrophages, hepatocytes and mast cells, as well as on various epithelial and endothelial cells, serves as a receptor for the inflammatory peptide C5a. Research studies suggest a role for CD88 in the inflammatory response. The binding of C5a to CD88 has been shown to elicit increased production of acute phase proteins in liver. In brain, an increased production of CD88 has been shown to be associated with inflammation. Research also indicates a role for C5a/C5aR in the pathogenesis of rheumatoid arthritis, as well as a heightened responsiveness of human bronchial epithelial cells (HBECs) to C5a upon exposure of these cells to cigarette smoke and other environmental irritants.

Function:

Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a. This receptor stimulates chemotaxis, granule enzyme release and superoxide anion production.

Subcellular Location:

Cell membrane.

Post-translational modifications:

Sulfation plays a critical role in the association of the receptor with C5a, but no significant role in the ability of the receptor to transduce a signal and mobilize calcium in response to a small peptide agonist.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

P21730

Gene ID:

728

Database links:

[Entrez Gene: 728](#) Human

[Entrez Gene: 12273](#) Mouse

[Omim: 113995](#) Human

[SwissProt: P21730](#) Human

[SwissProt: P30993](#) Mouse

[SissProt: Q3TZ86](#) Mouse

[Unigene: 2161](#) Human

[Unigene: 247623](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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