

AP06508PU-N**Polyclonal Antibody to CD88 / C5R1 - Aff - Purified****Alternate names:**

C5AR1, C5a anaphylatoxin chemotactic receptor, C5a-R, C5aR, Complement Component 5a Receptor 1

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

The human anaphylatoxin C5a is a 74 residue glycopeptide which is generated by proteolytic cleavage of the complement factor C5 in the course of complement activation. A variety of biological effects evoked by C5a can be demonstrated, rendering this molecule an important mediator of inflammation, with granulocytes and macrophages as the main target cells. All cellular responses to C5a are specifically mediated by interactions with the membrane bound C5a receptor, a seven transmembrane GTP binding coupled receptor that belongs to the rhodopsin supergene family. C5a receptor 1 expression has been reported in myeloid blood cells, brain, liver, lung, spleen, heart, kidney, and intestinal tract. ESTs have been isolated from B cell/lung/testis, nerve, and placenta libraries.

Uniprot ID:[P21730](#)**NCBI:**[NP_001727.1](#)**GeneID:**[728](#)**Host:**

Rabbit

Immunogen:

Synthetic peptide, corresponding to amino acids 300-350 of Human C5aR.

Format:**State:** Liquid purified Ig fraction (>95% pure by SDS-PAGE)**Purification:** Affinity-Chromatography using epitope-specific immunogen**Buffer System:** Phosphate buffered saline (PBS), pH~7.2**Preservatives:** 0.05% Sodium Azide**Applications:****Western blot:** 1/500-1/1000.**Immunofluorescence:** 1/50-1/200.**Immunohistochemistry on Paraffin Sections:** 1/50-1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Molecular Weight:

~ 45 kDa

Specificity:This antibody detects endogenous levels of CD88/C5aR protein.
(region surrounding Ser334)**Species:** Human, Mouse, Rat.

Other species not tested.

Storage:

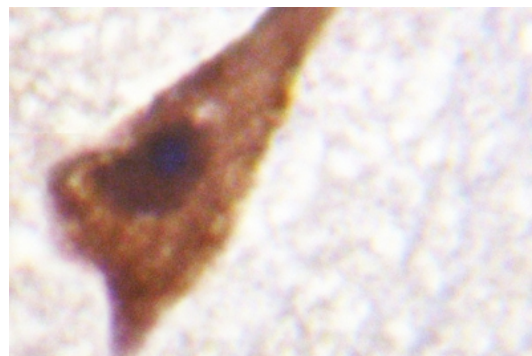
Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

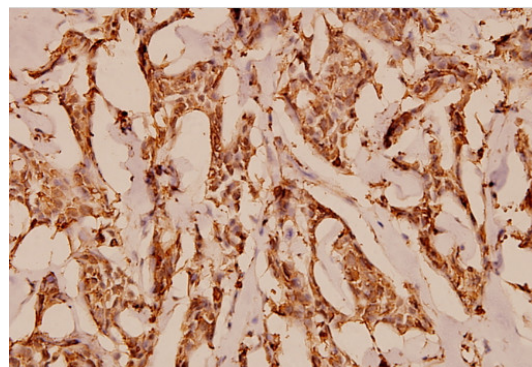
Shelf life: one year from despatch.

Pictures:

Immunohistochemistry (IHC) analysis of CD88/C5aR antibody (Cat.-No AP06508PU-N) in paraffin-embedded human breast tissue.



Immunohistochemistry (IHC) analysis of CD88/C5aR antibody (Cat.-No AP06508PU-N) in paraffin-embedded human breast tissue at 1/100.



Western blot (WB) analysis of C5aR antibody (Cat.-No.: AP06508PU-N) at 1/500 dilution
Lane 1: HEK293T cell lysate treated with PMA
Lane 2: sp2/0 cell lysate treated with PMA
Lane 3: PC12 cell lysate treated with PMA

