

Product datasheet for **AM26212PU-N**

C3AR1 Mouse Monoclonal Antibody [Clone ID: 17]

Product data:

Product Type:	Primary Antibodies
Clone Name:	17
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on frozen sections. Flow cytometry. The typical starting working dilution is 1:50.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	This antibody reacts with the receptor for C3a. It does not block binding of ligand to C3aR.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein G
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement component 3a receptor 1
Database Link:	Entrez Gene 719 Human Q16581



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Background:

In the course of complement activation the C3a receptor functions as the cell surface receptor for the anaphylatoxin C3a, the C-terminal 77 amino acid cleavage product of the alpha chain of C3, but not for C3a-desArg. All cellular responses to C3a are specifically mediated by interactions with the membrane bound C3a receptor, a seven transmembrane GTP-binding-protein-coupled receptor that belongs to the rhodopsin supergene family. The 54 kDa C3a receptor is widely distributed in, myeloid cells, peripheral tissues and the central nervous system. Expression of C3aR has been demonstrated on neutrophils, monocytes, eosinophils, astrocytes, neurons and glial cells and is increased in inflammatory conditions. No C3aR expression was detectable on lymphocytes and on tonsillar B cells even after stimulation.

Synonyms:

C3a-R, C3AR, C3AR1, AZ3B, C3R1, HNFAG09

Note:

The monoclonal antibody 17 is in the literature also referred to as clone hC3aRZ8.