

30-2882: Anti-Human C3aR Mab (Clone: HC3aRZ8) Purified

Clonality :	Monoclonal
Clone Name :	HC3aRZ8
Application :	IHC,FACS
Reactivity :	Human
Gene :	C3AR1
Gene ID :	719
Uniprot ID :	Q16581
Alternative Name :	AZ3B, HNFAG09
Isotype :	Mouse IgG2b
Immunogen Information :	Human C3aR transfectants

Description

Specificity : The mouse monoclonal antibody HC3aRZ8 recognizes an extracellular epitope of C3aR, a transmembrane chemotactic receptor for C3a anaphylatoxin.

C3aR is a 7TM transmembrane protein associated with G proteins, and serves as a receptor for C3a complement fragment. It is expressed mainly on neutrophils, mast cells, basophils, eosinophils, dendritic cells, monocytes, and macrophages. Upon detection of its ligand, the activated C3aR signaling cascade results in degranulation, superoxide production, and chemotaxis.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	1.0 mg/ml Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml.

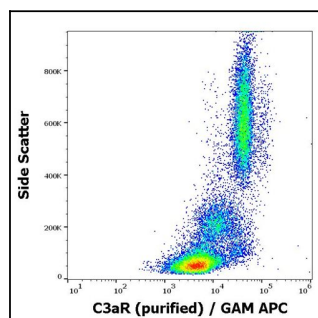


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human C3aR (HC3aRZ8) purified antibody (concentration in sample 1,7 µg/ml, GAM APC).

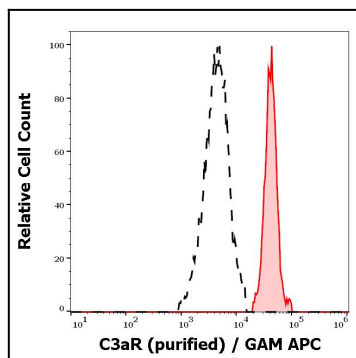


Figure 2: Separation of human neutrophil granulocytes (red-filled) from human lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human C3aR (HC3aRZ8) purified antibody (concentration in sample 1,7 µg/ml, GAM APC).