

ARG23545 anti-Complement C8 antibody [056B-373]

Package: 50 µg

Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [056B-373] recognizes Complement C8. Mouse anti Human C8 antibody, clone 056B-373 recognizes complement component 8 (C8), a 151 kDa member of the complement C6/C7/C8/C9 family, present in serum. C8 is a terminal component of the complement system, part of both the complement membrane attack complex (MAC), and important to MAC assembly. C8 binds to the C5b-7 complex, anchored to the membrane, creating C5b-8. C5b-8 binds C9 and catalyses the polymerization of C9 molecules to form C5b-9 (MAC). C8 is thought to contain lipid binding sites, facilitating the insertion of MAC into the membrane. Defects in the alpha chain of C8 can result in complement C8 deficiency type I. Furthermore, C8 deficiencies can cause recurring bacterial infections, in particular from Neisseria meningitidis.
Tested Reactivity	Hu
Tested Application	ELISA, FACS, IHC-Fr, WB
Host	Mouse
Clonality	Monoclonal
Clone	056B-373
Isotype	IgG1
Target Name	Complement C8
Species	Human
Immunogen	Purified Human Complement C8.
Conjugation	Un-conjugated
Alternate Names	C8C; Complement component C8 gamma chain

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FACS	Assay-dependent
	IHC-Fr	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	BBS and 0.1% Sodium azide.

Preservative	0.1% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	C8G
Gene Full Name	complement component 8, gamma polypeptide
Background	The protein encoded by this gene belongs to the lipocalin family. It is one of the three subunits that constitutes complement component 8 (C8), which is composed of a disulfide-linked C8 alpha-gamma heterodimer and a non-covalently associated C8 beta chain. C8 participates in the formation of the membrane attack complex (MAC) on bacterial cell membranes. While subunits alpha and beta play a role in complement-mediated bacterial killing, the gamma subunit is not required for the bactericidal activity. [provided by RefSeq, Jul 2011]
Function	C8 is a constituent of the membrane attack complex. C8 binds to the C5B-7 complex, forming the C5B-8 complex. C5-B8 binds C9 and acts as a catalyst in the polymerization of C9. The gamma subunit seems to be able to bind retinol. [UniProt]
Calculated Mw	22 kDa