

ARG23544 anti-Complement C7 antibody [030-113.7.5.4]

Package: 50 µg

Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [030-113.7.5.4] recognizes Complement C7. Mouse anti Human C7 antibody, clone 030-113.7.5.4 recognizes complement component 7 (C7), a 110 kDa glycoprotein present in the blood serum. The factor I domain of C7 binds the C terminus of the C5 alpha-chain, acting as a membrane anchor. This enables the assembly of the complement membrane attack complex (MAC) and consequent complement lytic activity. C7 deficiency is associated with increased susceptibility to recurrent infections, in particular by Neisseria meningitides. Mouse anti Human C7 antibody, clone 030-113.7.5.4 does not recognize membrane bound complement membrane attack complex. Mouse anti Human C7 antibody, clone 030-113.7.5.4 inhibits lysis of sensitised sheep erythrocytes. Removal of Sodium Azide is recommended prior to use in functional assays.
Tested Reactivity	Hu
Tested Application	ELISA, FuncSt, WB
Host	Mouse
Clonality	Monoclonal
Clone	030-113.7.5.4
Isotype	IgG1
Target Name	Complement C7
Species	Human
Immunogen	Purified Human Complement C7.
Conjugation	Un-conjugated
Alternate Names	Complement component C7

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FuncSt	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	C7
Gene Full Name	complement component 7
Background	C7 is a component of the complement system. It participates in the formation of Membrane Attack Complex (MAC). People with C7 deficiency are prone to bacterial infection. [provided by RefSeq, Jul 2008]
Function	Constituent of the membrane attack complex (MAC) that plays a key role in the innate and adaptive immune response by forming pores in the plasma membrane of target cells. C7 serves as a membrane anchor. [UniProt]
Calculated Mw	94 kDa
PTM	C7 has 28 disulfide bridges. C-, N- and O-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans. [UniProt]