



Rabbit Anti-Human C4A monoclonal antibody, clone TQ02 (CABT-L1705)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	C4A
Immunogen	Synthetic peptide corresponding to C-terminus of human C4d protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TQ02
Purification	Protein A/G purified
Conjugate	Unconjugated
Applications	IHC-P
Molecular Weight	84 kDa
Cellular Localization	Secreted Protein
Positive Control	Tonsil
Format	Liquid
Buffer	PBS, 1% BSA, pH 7.6
Preservative	< 0.1% Sodium Azide
Storage	2-8°C. Do not freeze. The user must validate any other storage conditions. When properly

stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

BACKGROUND

Introduction

C4 plays a central role in the activation of the classical pathway of the complement system. Prior to secretion, the single-chain precursor is enzymatically cleaved to yield the non-identical chains (alpha, beta and gamma) . During activation, the alpha chain is cleaved by C1 into C4a and C4b, and C4b stays linked to the beta and gamma chains. Further degradation of C4b by C1 into the inactive fragments C4c and C4d blocks the generation of C3 convertase.

Keywords

C4A;complement component 4A (Rodgers blood group)
;C4;RG;C4S;CO4;C4A2;C4A3;C4A4;C4A6;C4AD;CPAMD2;complement
C4-A;acidic C4;C4A anaphylatoxin;Rodgers form of C4;acidic
complement C4;C3 and PZP-like alpha-2-macroglobulin domain-
containing protein 2

GENE INFORMATION

Entrez Gene ID

[721](#)

UniProt ID

[P0C0L4](#)
