

Technical Data Sheet: Monoclonal Antibodies

Biotin Conjugated Monoclonal Antibodies

Biotinylated Monoclonals

A700	Anti-Human C1q
A701	Anti-Human C3c
A702	Anti-Human C3d
A703	Anti-Human C4c
A704	Anti-Human C4d
A705	Anti-Human C5
A706	Anti-Human C6
A707	Anti-Human C7
A708	Anti-Human C8
A709	Anti-Human C9
A710	Anti-Human iC3b (neo)
A711	Anti-Human SC5b-9 (neo)
A712	Anti-Human Factor B(Bb)

Monoclonal Antibodies

A201	Anti-Human C1q
A203	Anti-Human C3a
A205	Anti-Human C3(C3c)
A207	Anti-Human C3(C3d)
A209	Anti-Human iC3b (neo)
A211	Anti-Human C4(C4c)
A213	Anti-Human C4(C4d)
A215	Anti-Human C4 BP
A217	Anti-Human C5
A219	Anti-Human C6
A221	Anti-Human C7
A249	Anti-Human C8
A223	Anti-Human C9
A225	Anti-Human Factor B(Ba)
A227	Anti-Human Factor B(Bb)
A229	Anti-Human Factor H
A247	Anti-Human Factor I (#1)
A231	Anti-Human Factor I (#2)
A233	Anti-Human Factor P (#1)
A235	Anti-Human Factor P (#2)
A237	Anti-Human S Protein
A239	Anti-Human SC5b-9 (neo)
A241	Anti-Human Clusterin
A250	Anti-human C3d (neo)
A251	Anti-human C4d (neo)
A252	Anti-human Bb (neo)

Polyclonal Goat Antisera

A300	Anti-Human C1 Inhibitor
A301	Anti-Human C1q
A302	Anti-Human C1s
A303	Anti-Human C2
A304	Anti-Human C3
A305	Anti-Human C4
A306	Anti-Human C5
A307	Anti-Human C6
A308	Anti-Human C7
A309	Anti-Human C8
A310	Anti-Human C9
A311	Anti-Human Factor B
A312	Anti-Human Factor H
A313	Anti-Human Factor I

Biotin-Labeled Murine Monoclonal Antibodies to Complement Antigens

For Research Use Only. Not for use in diagnostic procedures.

Specifications:

<i>Item Number:</i>	A700 Series
<i>Antibody concentration:</i>	0.2 mg/mL
<i>Volume/Vial:</i>	250 µL
<i>Storage:</i>	≤ 8°C
<i>Buffer:</i>	0.05 M Sodium Phosphate 0.07 M Sodium Chloride 1% BSA pH 7.0 ± 0.2

Background:

The Complement System is a plasma-based protein cascade, which functions as a highly regulated and effective immune barrier in the presence or absence of antibody. It is comprised of four main protein pathways that regulate and influence each other. The classical pathway (CP), so called because it was the first to be discovered, responds to immune complexes and other antigens and to bound immunoglobulin (IgG and IgM). The Alternative Pathway (AP) responds to a variety of chemical moieties including lipopolysaccharides, the primary constituent of bacterial cell walls. The newly described Mannose Binding Lectin (MBL) pathway is triggered by the binding of MBL (a protein that closely resembles C1q of the classical pathway) to a surface. While it has many potent biologic activities, the fourth pathway, the terminal pathway (TP), culminates in the formation of a protein ring called TCC or the Terminal Complement Complex.

Production and Characterization:

QUIDEL's monoclonal antibodies to complement antigens were prepared using standard techniques. They are purified from mouse ascites fluid via protein A affinity chromatography. Each antibody is characterized individually for specific activity against the indicated complement fragment or protein. Assays used to describe the antigen and function of each antibody and specific application information can be found in the data sheet for the appropriate monoclonal itself. Data Sheets may be requested from QUIDEL's Technical Services Department.

Biotinylated conjugates of QUIDEL's monoclonal antibodies to complement antigens were prepared using the purified monoclonal antibodies and standard biotinylation techniques. Each antibody is prepared in phosphate-buffered saline with 1% BSA and ≤ 0.1% NaN₃.

Applications:

QUIDEL's biotin-conjugated monoclonal antibodies are suitable for use in a variety of applications, including ABC/DAB immunocytochemistry and EIA. Details on suitability of specific antibodies for use in these or other applications can be found in the appropriate Technical Data Sheets available from QUIDEL Technical Service.

Ordering and Technical Information

To place an order or for technical assistance in the United States, please call (800) 524-6318, Monday through Friday, between 8:00AM and 5:00 PM, Pacific Time. Orders may also be placed by fax at (408) 616-4311 anytime. Outside the U.S., contact your local QUIDEL distributor or contact QUIDEL by phone at (408) 616-4301.

Information about QUIDEL, our affiliated distributors, and our products is available online at www.quidel.com.

QUIDEL Monoclonal Antibody Application Guide

Item	Description	IHC	EIA	Western Blot	FACS	Item	Description	IHC	EIA	Western Blot	FACS
A201/A700	Anti-human C1q	√	√	–	√	A225	Anti-human Factor B(Ba)	–	√	√	n/t
A203	Anti-human C3a	–	√	√	√	A227/A712	Anti-human Factor B(Bb)	√	√	√	√
A205/A701	Anti-human C3(C3c)	√	√	√	√	A229	Anti-human Factor H	√	√	√	n/t
A207/A702	Anti-human C3(C3d)	√	√	√	√	A247	Anti-human Factor I (#1)	–	√	–	n/t
A209/A710	Anti-human iC3b (neo)	√	√	–	√	A231	Anti-human Factor I (#2)	√	√	√	n/t
A211/A703	Anti-human C4(C4c)	√	√	√	√	A233	Anti-human Factor P (#1)	–	√	–	n/t
A213/A704	Anti-human C4(C4d)	√	√	√	√	A235	Anti-human Factor P (#2)	√	√	√	n/t
A215	Anti-human C4 Binding Protein	√	√	–	n/t	A237	Anti-human S Protein	√	√	√	n/t
A217/A705	Anti-human C5	–	√	√	n/t	A239/A711	Anti-human SC5b-9 (neo)	√	√	√	√
A219/A706	Anti-human C6	√	√	√	n/t	A241	Anti human Clusterin	√	√	√	√
A221/A707	Anti-human C7	–	√	√	n/t	A250	Anti-human C3d (neo)	√	√	n/t	√
A249/A708	Anti-human C8	√	√	√	n/t	A251	Anti-human C4d (neo)	√	√	n/t	√
A223/A709	Anti-human C9	–	√	√	n/t	A252	Anti-human Bb (neo)	n/t	√	n/t	√



QUIDEL Corporation
 10165 McKellar Court
 San Diego, CA 92121
 Tel: (408) 616-4301
 Fax: (408) 616-4310
 Website: www.quidel.com