QUIDEL® CORPORATION

Technical Data Sheet:
Monoclonal Antibodies
Biotin Conjugated Monoclonal Antibodies

NEW! 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)

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) **NEW**
A251 Anti-human C4d (neo) **NEW**
A252 Anti-human Bb (neo) **NEW**

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

Analyte Specific Reagent. The performance of this reagent has not been established in diagnostic procedures.

Specifications:

Item Number:	**A700 Series**
Antibody concentration:	**0.2 mg/mL**
Purity:	**> 85% by SDS PAGE**
Volume/Vial:	**50 µL**
Storage:	**≤ 8°C**
Buffer:	**0.05 M Sodium Phosphate**
	O.07M Sodium Chloride
	1% BSA
	pH 7.2

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 (aggregates of immunoglobulin) and to bound immunoglobulin (IgG and IgM specifically). 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. The prepared monoclonal antibodies are buffer-exchanged in Borate-Buffered Saline containing 0.02% NaN3. 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. Conjugated antibodies were separated from free biotin by column chromatography. 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. In Europe, contact your local QUIDEL distributor. In Japan, contact Fujirebio, Inc., by phone or fax at 03 5695-9215 or 03 5695-9232 respectively. In all other locations, contact QUDIEL by phone at (408) 616-4300.

Information about QUIDEL, our affiliated distributors and our products is available online at www.quidel.com and via e-mail at complmnt@quidel.com.

QUIDEL Monoclonal Antibody Application Guide

Item	Description	IHC	EIA	Western Blot	FACS
A201/A700	Anti-human C1q	·√	·√	–	·√
A203	Anti-human C3a	–	·√	·√	·√
A205/A701	Anti-human C3(C3c)	·√	·√	·√	·√
A207/A702	Anti-human C3(C3d)	·√	·√	·√	·√
A209/A710	Anti-human iC3b (neo)	·√	·√	–	·√
A211/A703	Anti-human C4 (C4c)	·√	·√	·√	·√
A213/A704	Anti-human C4(C4d)	·√	·√	·√	·√
A215/A705	Anti-human C4 Binding Protein	·√	·√	–	n/t
A217/A705	Anti-human C5	–	·√	·√	n/t
A219/A706	Anti-human C6	·√	·√	·√	n/t
A221/A707	Anti-human C7	–	·√	·√	n/t
A249/A708	Anti-human C8	·√	·√	·√	n/t
A223/A709	Anti-human C9	–	·√	·√	n/t

Item	Description	IHC	EIA	Western Blot	FACS
A225	Anti-human Factor B(Bb)	·√	·√	·√	·√
A227	Anti-human Factor B(Ba)	–	·√	·√	n/t
A229	Anti-human Factor H	·√	·√	·√	n/t
A247	Anti-human Factor I (#1)	–	·√	–	n/t
A231	Anti-human Factor I (#2)	·√	·√	·√	n/t
A233	Anti-human Factor P (#1)	–	·√	–	n/t
A235	Anti-human Factor P (#2)	·√	·√	·√	n/t
A237	Anti-human S Protein	·√	·√	·√	n/t
A239/A711	Anti-human SC5b-9 (neo)	·√	·√	·√	·√
A241	Anti human Clusterin	·√	·√	·√	·√
A250	Anti-human C3d (neo) **NEW**	·√	·√	n/t	·√
A251	Anti -human C4d (neo) **NEW**	·√	·√	n/t	·√
A252	Anti -human Bb (neo) **NEW**	·ν/τ	·√	n/t	·√

QUIDEL Corporation
10165 McKellar Court
San Diego, CA 92121
Tel: (408) 616-4300
Fax: (408) 616-4311
Website: www.quidel.com

F017-018 (10/01)