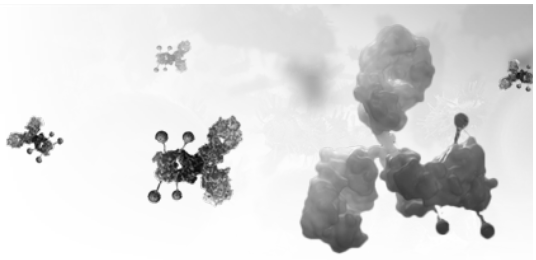

Anti-Human IgG Fc monoclonal antibody, clone IQ7054 [DyLight® 488] (DMAB17343)

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

PRODUCT INFORMATION

Product Overview	Mouse Anti-IgG Monoclonal Antibody
Specificity	Mouse Anti-Human IgG Fc Specific recognizes an epitope on Human IgG Fc Specific. This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.Antigen Distribution:Surfa
Target	IgG
Immunogen	Purified Recombinant Human IgG Fc Specific (>98%)
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	IQ7054
Conjugate	Dylight 488
Applications	FC
Format	This DyLight 488 conjugate is formulated in 0.01 M phosphate buffered saline (PBS) pH 7.4, 150 mM NaCl, 1% BSA and 0.09% sodium azide as a preservative.
Concentration	0.1 mg/ml
Size	100 µg
Preservative	0.09% Sodium Azide

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	This DyLight488 conjugate is stable when stored at 2-8°C. Do not freeze.

BACKGROUND

Introduction	Immunoglobulins belong to a group of related glyco proteins which make up 20% of serum proteins. Antigens and immunoglobulins react to confer immunity to individuals. Immunoglobulins have similar structures of two identical heavy chains and two identical light chains. Both the heavy chains and the light chains are divided into constant and variable regions. The constant regions have the same amino acid sequences between all the immunoglobulin classes. The variable regions have approximately 110 amino acids with high sequence variability. The amino acid sequence of the heavy chain determines the class of an immunoglobulin. The five types of immunoglobulin heavy chains are known as: IgG, IgA, IgM, IgD, and IgE. IgG is divided into four subclasses, and IgA is divided into two subclasses. In serum IgA and IgG are monomers with a single 4 polypeptide unit; while, IgM is a pen tamer. IgA may also form polymers. Kappa light chain antibody can be used for the identification of leukemias, plasmacytomas and certain non Hodgkin"s lymphomas. Kappa light chain contains one immunoglobulin like domain. The EU sequence has the INV allotypic marker, Ala 45 and Val 83. The ROY sequence has the INV allotypic marker, Ala 45 and Leu 83.
Keywords	Anti-Mouse IgG PAb; Donkey Anti-Mouse Immunoglobulin G Polyclonal Antibody; Ig gamma2chain C region; IGHG1; Immunoglobin heavy constant gamma 1; Immunoglobulin G; IgG; IgG;DKFZp686I04196; G2m marker; Ig gamma 2 chain C region; IGHG 2; IGHG2; Immunoglobuli

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221