

<b>Description</b>	<b>Fluorescein isothiocyanate-conjugated IgG fraction of polyclonal rabbit antiserum to monkey IgG, IgA and IgM, heavy and light chains</b>	
<b>Product code</b>	RAMon/Ig/FITC	
<b>Biological origin</b>	Rabbit	
<b>Physical form</b>	FITC-coupled purified hyperimmune rabbit IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2).	
<b>Preservative</b>	No preservative added, as it may interfere with the antibody activity.	
<b>Immunogen</b>	Purified polyclonal monkey IgG, and IgA and IgM containing factions isolated from Rhesus monkey serum. Freund's complete adjuvant is used in the first step of the immunization procedure.	
<b>Purification</b>	The IgG (7S) fraction is isolated and purified from hyperimmune antisera with strong precipitating activity and contains the bulk of the antibody specificity. It is free of other serum proteins as tested by immunoelectrophoresis and double radial immunodiffusion.	
<b>Adsorption</b>	Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibodies cross-reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.	
<b>Identity &amp; Specificity</b>	The defined antibody specificity is directed to the major isotypes of the monkey immunoglobulin system and to the surface determinants of the common Fab portion as tested against as tested in immunoelectrophoresis and double radial immunodiffusion (Ouchterlony).	
<b>Cross-reactivity</b>	Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Precipitation reactions have been observed with immunoglobulins in serum of other old-world monkeys, including Cercopithecus, Cynomolgus and Baboon. The conjugate may also react with other species as has been observed for chimpanzee and man.	
<b>Physicochemical characteristics</b>	IgG protein concentration 10 mg/ml. Fluorochrome/IgG protein molar ratio (F/P) is approximately 1.6. No foreign proteins added.	
<b>Fluorescent marker</b>	Fluorescein isothiocyanate isomer 1 (FITC). Excitation: 492 nm, emission : 515 nm.	
<b>Conjugation procedure</b>	A proprietary technique for the binding to FITC is used, followed by several purification steps to remove free reactants and protein aggregates. After each step activity and specificity are tested in a variety of techniques. The conjugate is lyophilized to assure stability and long shelf life.	
<b>Intended use</b>	Direct immunofluorescence staining of cytoplasmic Ig of appropriately treated cell and tissue substrates; to demonstrate immunoglobulins or specific antibodies in cells and tissues; to identify circulating antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen or immune complex using a reference antibody of monkey origin in the middle layer of the indirect test procedure. <i>This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.</i> Working dilutions are usually between 1:20 and 1:80.	
<b>Handling</b>	The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. It is reconstituted by adding 1 ml sterile distilled water. Spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate.	
<b>Packing</b>	Vial with 1 ml lyophilized immunoconjugate.	
<b>Storage / shelf life</b>	Lyophilized at +4°C	at least 10 years
	reconstituted at or below -20°C	3-5 years
	reconstituted at +4°C	7 days
<b>Caution</b>	This immunoconjugate should be handled by qualified persons only and appropriate precautions should be taken in its handling and disposal, and of all associated materials. For <i>in vitro</i> laboratory research purposes only.	

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