



**GOAT ANTI-MOUSE IgM+IgG+IgA(H+L) F(ab')₂ FRAGMENTS
FITC CONJUGATED, SPECIES ADSORBED (HUMAN)
POLYCLONAL ANTIBODY**

CATALOG NUMBER:	AQ502F	QUANTITY:	0.5 mg
LOT NUMBER:	xxx	CONCENTRATION:	0.5 mg/mL
EPITOPE:	Mouse IgM, IgG, IgA	HOST/ISOTYPE:	Goat
BACKGROUND:	IgG is the most abundant immunoglobulin and comprises two heavy chains and two light chains. Each molecule has two antigen binding sites. IgG has 4 subclasses: IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%). IgM constitutes about 10% of serum immunoglobulins. IgM (with IgD) is the major immunoglobulin expressed on the surface of B cells. Monomeric IgA constitutes 5-15 % of the serum immunoglobulins whereas dimeric IgA is localized to mucosa surfaces.		
SPECIFICITY:	The antibody reacts with the heavy and light chains of mouse IgM, IgG1, IgG2a, IgG2b, IgG3 and IgA as demonstrated by ELISA and flow cytometry. Minimal cross reactivity with human immunoglobulins.		
APPLICATIONS:	<u>Immunofluorescence:</u> $\leq 1 \mu\text{g}/10^6$ cells <u>ELISA</u> <i>Optimal working dilutions must be determined by the end user.</i>		
SPECIES REACTIVITY:	Reacts with heavy and light chains of mouse IgM, IgG1, IgG2a, IgG2b, IgG3 and IgA. Absorbed for human sera and purified human paraproteins. Minimal cross reactivity with human immunoglobulins. Reactivity with other species has not been determined.		
IMMUNOGEN:	Prepared from pepsin digest of mouse Ig (H+L).		
PRESENTATION:	Purified by gel filtration chromatography of pepsin digested antibody. Liquid in 1.0 mL PBS/NaN ₃ .		
STORAGE/HANDLING:	Maintain refrigerated at 2°-8°C under sterile conditions for up to twelve months from date of receipt. Do not freeze.		

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

**FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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