

# F(ab')<sub>2</sub> Anti-Rat IgG F(ab')<sub>2</sub> Secondary Antibody

Rabbit Polyclonal, Unconjugated

Catalog # ASR3485

## Product Information

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<b>Description</b>	F(ab') <sub>2</sub> Anti-RAT IgG F(ab') <sub>2</sub> (RABBIT) Antibody
<b>Host</b>	Rabbit
<b>Conjugate</b>	Unconjugated
<b>Target Species</b>	Rat
<b>Clonality</b>	Polyclonal
<b>Physical State</b>	Lyophilized
<b>Host Isotype</b>	IgG F(ab') <sub>2</sub>
<b>Target Isotype</b>	IgG F(ab') <sub>2</sub>
<b>Buffer</b>	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Immunogen</b>	Rat IgG F(ab') <sub>2</sub> fragment
<b>Reconstitution Volume</b>	2.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	None
<b>Preservative</b>	None

## Additional Information

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**Shipping Condition** Ambient

**Application Note** Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. The maximum amount of reagent required to stain 1 x 10<sup>6</sup> cells in flow cytometry is approximately 1.0 µg of antibody. Lesser amounts of reagent may be sufficient for staining. Optimal titers for other applications should be determined by the researcher. As a general guideline dilutions of 1:100 to 1:250 should be suitable for most applications.

**Purity** This product is a F(ab')<sub>2</sub> fragment of IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatography and pepsin digestion followed by chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Rat IgG, Rat IgG F(ab')<sub>2</sub> and Rat Serum. No reaction was observed against Rat IgG F(c), anti-Rabbit IgG F(c) or anti-Pepsin.

**Storage Condition** Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Precautions Note**

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

**Background**

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F(ab')<sub>2</sub> Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab)<sub>2</sub> fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab)<sub>2</sub> fragments penetrate into tissue samples and show better antigen recognition and signal generation in IHC. F(ab)<sub>2</sub> fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab')<sub>2</sub> Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.