

## Goat IgG anti-Bovine IgG (F(ab')<sub>2</sub>)-unconj., MinX none

### General Information

<b>Catalog Number:</b> SEC-182478	<b>Physical State:</b> Lyophilized
<b>Quantity:</b> 50 mg	<b>Reconstitution Volume:</b> 5.0 mL
	<b>Reconstitution Buffer:</b> Restore with deionized water (or equivalent)
	<b>Shipping Conditions:</b> at room temperature
	<b>Product Expiration:</b> Expiration date is one (1) year from date of opening.

### Antibody Host / Format

<b>Host Species:</b> Goat	<b>Clonality / Isotype / Clone:</b> polyclonal Ig
<b>Antibody Format:</b> IgG whole molecule	<b>Concentration:</b>
	<b>Conjugation:</b> unconjugated
	<b>Maximum Excitation / Emission:</b> /

### Specificity

<b>Target Species:</b> Bovine	<b>Immunogen:</b> Bovine IgG F(ab') <sub>2</sub> fragment
<b>Antibody Specificity:</b> IgG (F(ab') <sub>2</sub> Fragment)	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Bovine IgG, Bovine IgG F(ab') <sub>2</sub> and Bovine Serum. No reaction was observed against Bovine IgG F(c).
	<b>Minimal Cross Reactivity:</b> none

### Formulation, Transport and Storage

<b>Storage Buffer:</b> 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2	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.
<b>Stabilizer:</b> None	
<b>Preservatives:</b> None	
	<b>Storage Temperature:</b> 4-8°C

### Application Recommendation

**Application:** ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections), Immunohistochemistry (frozen sections)

This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.

#### Manufacturer

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**Dilution:** ELISA 1:20.000 - 1:100.000, Immunohistochemistry (IHC) 1:1,000 - 1:5,000, Western Blot (WB) 1:2.000 - 1:10.000

**Application Note:**

BOVINE IgG F(ab')<sub>2</sub> fragment antibody is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.

**Background Information**

Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsonization for phagocytosis. This product possesses the F(ab')<sub>2</sub> fragment, recognized by the two F(ab) fragments yielded from the digestion of the antibody below the disulfide bond hinge region.

**Safety Information**

The product contains no hazardous constituents. Standard Laboratory Practices should be followed when handling this material.

**Disclaimer**

This product is warranted to perform in conformance with product specifications and to be free from defects in material and workmanship. Products are supplied for research use only. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated, this warranty is limited to one year from date of shipment when the product is subjected to normal, proper and intended usage. Buyer's exclusive remedy for non-conforming products during the warranty period is limited to replacement of or refund for the non-conforming product(s). There is no obligation to replace products as the result of accident or disaster or inappropriate use of the products in a manner for which they were not designed, or improper storage and handling of the products.

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