

Datasheet for 210-1304**Mouse IgG F(ab')₂ Antibody Peroxidase Conjugated****Overview**

Description:	Goat Anti-Mouse IgG F(ab') ₂ Antibody Peroxidase Conjugated - 210-1304
Item No.:	210-1304
Size:	20 mg
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	Anti-MOUSE IgG F(ab') ₂ Antibody Peroxidase Conjugated generated in goat recognizes the dimeric Fab portion of the mouse IgG molecule. MOUSE IgG F(ab') ₂ is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. F(ab') ₂ molecules lack the Fc portion of IgG and therefore receptors that bind mouse IgG F(c) will not bind mouse IgG F(ab') ₂ molecules. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. Anti-Mouse IgG F(ab') ₂ Antibody Peroxidase Conjugated is ideal for investigators involved in serum protein components.
Synonyms:	HRP, fab fragment, fab ₂ , conjugates, mouse fab, goat-a-ms, goat anti-Mouse IgG F(ab') ₂ Peroxidase Conjugated Antibody
Host Species:	Goat
Specificity:	IgG F(ab') ₂
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	0.436

Target Details

Reactivity:	Mouse
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Immunogen:	Mouse IgG F(ab') ₂ fragment
Purity/Specificity:	Anti-MOUSE IgG F(ab') ₂ (GOAT) Antibody Peroxidase Conjugated 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-Peroxidase, anti-Goat Serum, Mouse IgG, Mouse IgG F(ab') ₂ and Mouse Serum. No reaction was observed against Mouse IgG F(c).

Application Details

Application Note:	Anti-MOUSE IgG F(ab') ₂ (GOAT) Antibody Peroxidase Conjugated has been assayed against 1.0 ug of Mouse IgG in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:10,000 of the reconstitution concentration is suggested for this product.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:12,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:10,000

Formulation

Physical State:	Lyophilized
Concentration:	10 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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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.

Expiration: Expiration date is one (1) year from date of receipt.

References

- Shirasuna K et al. Expression of prostaglandin F2 α (PGF2 α) receptor and its isoforms in the bovine corpus luteum during the estrous cycle and PGF2 α -induced luteolysis. *Domest Anim Endocrinol.* (2012)

Disclaimer

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