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Datasheet for 610-4104

Mouse IgG F(ab')2 Antibody

Overview

Description:	Rabbit Anti-Mouse IgG F(ab')2 Antibody - 610-4104
Item No.:	610-4104
Size:	2 mg
Applications:	ELISA, Other
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	Anti-Mouse IgG F(ab')2 Antibody generated in rabbit 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.
Synonyms:	Rabbit Anti-Mouse IgG F(ab')2 Antibody, Rabbit Anti Mouse IgG Fab2 Antibody, Rabbit Anti Mouse IgG Fab2 Fragment Antibody
Host Species:	Rabbit
Specificity:	IgG F(ab')2
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse
Immunogen:	Mouse IgG F(ab')2 fragment

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Mouse IgG, Mouse IgG F(ab')2 and Mouse Serum. No reaction was observed against Mouse IgG F(c).

Application Details

Tested Applications:	ELISA
Suggested Applications:	Other (Based on references)
Application Note:	Anti-Mouse IgG F(ab')2 antibody has been tested by ELISA and is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:75,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

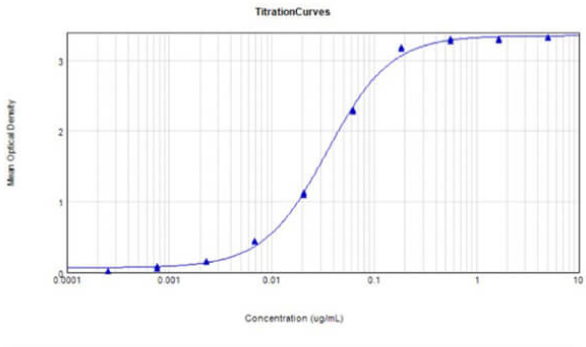
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.5 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) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA
ELISA Results of Rabbit Anti-Mouse IgG F(ab')2 Antibody tested against purified Mouse IgG F(ab')2. Each well was coated in duplicate with 10 µg of Mouse IgG F(ab')2 (p/n 010 -0104). The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% Fish Gel/PBS Blocking buffer (p/n MB-066), goat Anti-Rabbit IgG HRP conjugated (p/n 611-103-122) and TMB substrate (p/n TMBE-1000).

References

- Rui H et al. JAK2 activation and cell proliferation induced by antibody-mediated prolactin receptor dimerization. *Endocrinology.* (1994)

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