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Datasheet for 008-0104

Horse IgG F(ab')2

Overview

Description:	Horse IgG F(ab')2 Fragment - 008-0104
Item No.:	008-0104
Size:	2 mg
Applications:	SDS-PAGE
Origin:	Horse

Product Details

Background:	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 compliment cascade, and opsonization for phagocytosis. This product possesses the F(ab')2 fragment, recognized by the two F(ab) fragments yielded from the digestion of the antibody below the disulfide bond hinge region.
Synonyms:	Horse IgG F(ab')2 Fragment, Horse IgG Fab2 Fragment
Species of Origin:	Horse
Format:	IgG F(ab')2
Type:	Native Protein

Target Details

Purity/Specificity:	This product was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by pepsin digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Horse IgG, anti-Horse IgG F(ab')2 and anti-Horse Serum. No reaction was observed against anti-Horse IgG F(c) or anti-Pepsin.
Relevant Links:	• 008-0104 SDS

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Horse IgG F(ab')2 has been tested in SDS-Page and can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

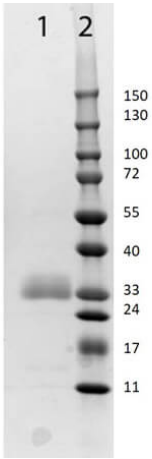
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	2.0 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 upon receipt. 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.

Images



SDS-PAGE
SDS PAGE Results of Horse F(ab')2 Fragment. Lane 1: 1x Reduced, Horse F(ab')2 Fragment. Lane 2: Molecular Weight Ladder. 4-20% SDS-PAGE; Coomassie Stained.

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Disclaimer

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