Product Datasheet

Human IgG (H&L) Antibody Peroxidase Conjugated (orb346660)

Catalog Number	orb346660
Category	Antibodies
Description	Human IgG (H&L) antibody (Peroxidase)
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	HRP
Reactivity	Human
Form/Appearance	Lyophilized
Concentration	10.0 mg/mL
Buffer/Preservatives	Preservative: None. Stabilizer: 10 mg/mL Bovine Serum Albumin (rAlbumin) - Immunoglobulin and Protease free; Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Purity	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-Peroxidase, anti-Rabbit Serum, Human IgG and Human Serum.
Immunogen	Human IgG whole molecule
Tested applications	ELISA, IHC, WB

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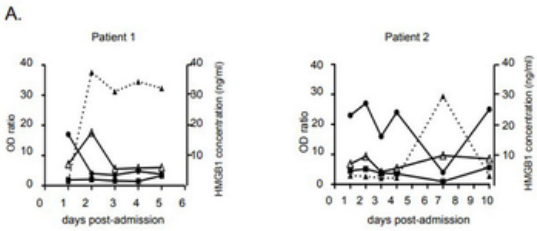
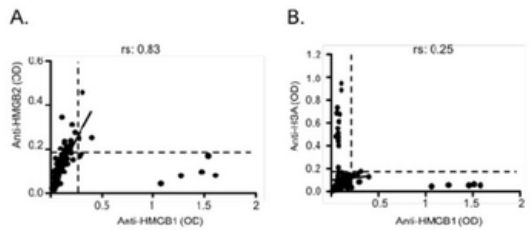
Dilution range	ELISA: 1:10,000 - 1:50,000, IHC: 1:500 - 1:2,500, WB: 1:1,000 - 1:10,000
Application notes	Secondary antibody reagents are ideal for ELISA, western blotting, Immunohistochemistry, Fluorescence Microscopy, Flow Cytometry as well as other antibody detection methods.
Antibody Type	Secondary Antibody
Storage	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.
Note	For research use only
Expiration Date	12 months from date of receipt.



(A) Time course detection of HMGB1 and IgG against anti-HMGB1 (black triangle), anti-HMGB2 (black square) and anti-EBNA1 (black circle) on sequential plasma from patients 1 and 2. OD ratios were defined as the ratio of the OD measured for a given antigen over the OD value obtained anti-HSA. HMGB1 concentration (open triangle) is indicated. (B) The same samples were subjected to an indirect immunoblot by using independent filter strips loaded with both rhHMGB1 and rEBNA1.



Correlation between anti-HMGB1 and anti-HMGB2 (A), and anti-HSA (B) IgG titers. Autoantibodies directed to HMGB1, HMGB2 and HSA were detected by indirect ELISA. Results are expressed as optical density (OD) values at 405 nm. The dotted lines correspond to the cut-off values defined as the mean OD plus three standard deviations obtained on a group of 100 plasma samples from apparently healthy blood donors. Dots represent 178 measurements performed in 40 patients with septic shock at various time intervals ranging from 1 to 18 days. Spearman coefficient (r) is depicted within the graph.

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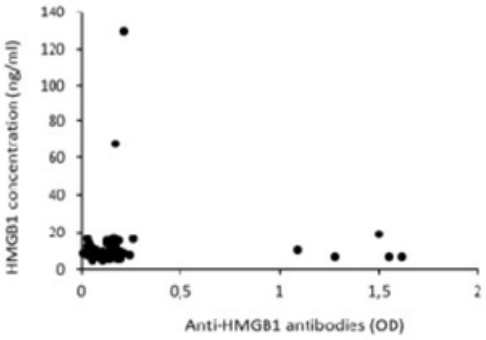

ELISAs were performed to measure HMGB1 plasma concentration as well as IgG directed HMGB1 on a series of 55 plasma samples from 11 patients' samples – including plasma from patients 1 and 2 – containing low or high level of autoantibodies to HMGB1. Spearman correlation coefficient was 0.17.

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