

Product Datasheet

Human, Mouse, Rat GRP78/HSPA5 ELISA Kit (Colorimetric) NBP2-62145

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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NBP2-62145

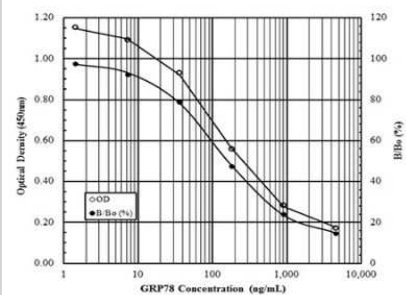
Human, Mouse, Rat GRP78/HSPA5 ELISA Kit (Colorimetric)

Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.
Product Description	
Gene ID	3309
Gene Symbol	HSPA5
Species	Human, Mouse, Rat
Specificity/Sensitivity	No cross-reactivity with other similar molecules (Grp94, PDI, Calreticulin) detected using this assay.
Kit Components	Microtiter Plate, Conjugate, Antibody, Assay Buffer, Wash Buffer Concentrate, Standard, TMB Substrate, Stop Solution 2, Extraction Reagent
Standard Curve Range	1.4-4500ng/ml
Sensitivity	8.4ng/ml
Inter Assay	Low Concentration %CV - 13.1% High Concentration %CV - 4.8%
Intra Assay	Low Concentration %CV - 14.1% High Concentration %CV - 4.5%
Assay Type	Competitive ELISA
Spiking Recovery	HeLa Cell Lysate Low - 90% Medium - 108% High - 109% C6 Cell Lysate Low - 101% Medium - 93% High - 82% 3T3 Cell Lysate Low - 98% Medium - 97% High - 94% Serum Low - 113% Medium - 110% High - 120%
Suitable Sample Type	Human, mouse and rat cell lysate, serum
Sample Volume	100 uL
Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

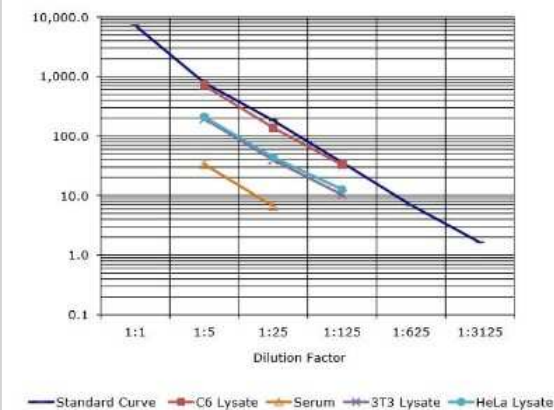


Images

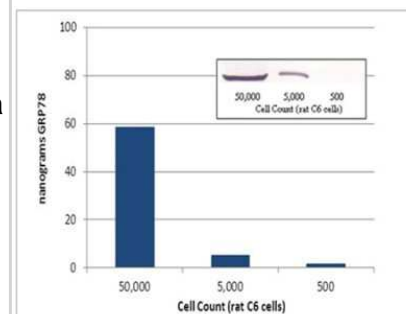
ELISA: Human, Mouse, Rat GRP78/HSPA5 ELISA Kit (Colorimetric) [NBP2-62145] - A typical standard curve for GRP78/HSPA5 ELISA kit. These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



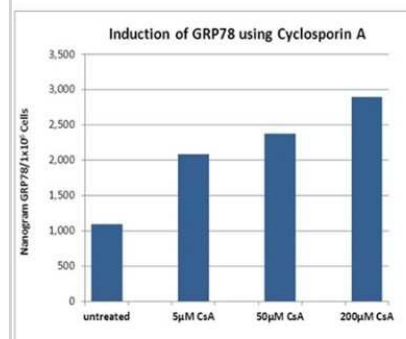
ELISA: Human, Mouse, Rat GRP78/HSPA5 ELISA Kit (Colorimetric) [NBP2-62145] - To assess parallelism, HeLa, 3T3, and C6 lysates and serum were serially diluted into assay buffer and run in the assay. The GRP78 concentration in each sample was assigned using the standard curve. Assigned concentrations were plotted as a function of sa



ELISA: Human, Mouse, Rat GRP78/HSPA5 ELISA Kit (Colorimetric) [NBP2-62145] - ELISA versus Western blot analysis correlation comparison of GRP78/HSPA5 using C6 cell lysates. Lysates were serially diluted and either run in the ELISA or run on a 12% Tris-glycine gel, transferred to nitrocellulose membrane and probed for GRP78 with a



ELISA: Human, Mouse, Rat GRP78/HSPA5 ELISA Kit (Colorimetric) [NBP2-62145] - HeLa cells were treated for 5 hours with 5 uM, 50 uM or 200 uM concentrations of cyclosporine A. Following the incubation, treated and untreated cells were lysed with Extraction Reagent #2 as described above. The lysates were then evaluated in the assay.





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Products Related to NBP2-62145

H00003309-P01-10ug	Recombinant Human GRP78/HSPA5 GST (N-Term) Protein
AF835	Caspase-3 Antibody [Unconjugated] - Active
NBP1-06274	GRP78/HSPA5 Antibody - BSA Free
NB100-2323	IRE1 alpha [p Ser724] Antibody - BSA Free

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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