

Rat Hspa5 (78 kDa glucose-regulated protein) ELISA Kit | Hspa5 elisa kit

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CATALOG #
AAA277892

REACTIVITY
Rat

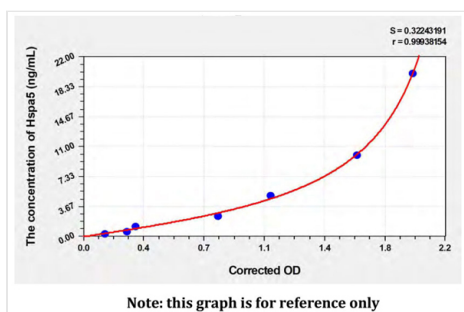
PRODUCT SYNONYMS

Hspa5 (78 kDa glucose-regulated protein); Rat Hspa5 (78 kDa glucose-regulated protein) ELISA Kit; BIP; GRP 78; GRP78; Hspa5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat Hspa5. No significant cross-reactivity or interference between Rat Hspa5 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.32-20 ng/mL
Sensitivity	0.17 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Hspa5 elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat Hspa5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat Hspa5. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Rat Hspa5, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Rat Hspa5 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	25742763
NCBI GeneID	25617
NCBI Accession #	NP_037215.1
NCBI GenBank Nucleotide #	NM_013083.2
UniProt Accession #	P06761
Molecular Weight	72,347 Da
NCBI Official Full Name	78 kDa glucose-regulated protein
NCBI Official Synonym Full Names	heat shock protein family A member 5
NCBI Official Symbol	Hspa5
NCBI Official Synonym Symbols	BIP; GRP78; GRP 78
NCBI Protein Information	78 kDa glucose-regulated protein
UniProt Protein Name	78 kDa glucose-regulated protein
UniProt Gene Name	Hspa5
UniProt Synonym Gene Names	Grp78; GRP-78; BiP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/hspa5-78-kda-glucose-regulated-protein/277892>