Human Heat Shock Protein 70 (HSP70-Ab) ELISA Kit | HSP70-Ab elisa kit

Human Heat Shock Protein 70 Antibody (HSP70-Ab) ELISA Kit

CATALOG #	REACTIVITY
AAA331982	**Human**

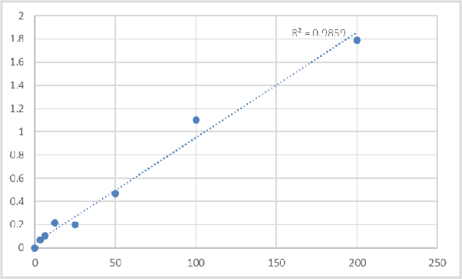
PRODUCT SYNONYMS

Heat Shock Protein 70 (HSP70-Ab); Human Heat Shock Protein 70 Antibody (HSP70-Ab) ELISA Kit; HSP70-Ab elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Heat Shock Protein 70 antibody (HSP70-Ab) ELISA Kit has high sensitivity and excellent specificity for detection of Human HSP70-Ab. No significant cross-reactivity or interference between Human HSP70-Ab and analogues was observed.
Sequence Length	125
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)
Fig.1. Human Heat Shock Protein 70 antibody (HSP70-Ab) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for HSP70-Ab elisa kit	Description: This Human Heat Shock Protein 70 antibody (HSP70-Ab) ELISA Kit employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to HSP70-Ab. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated HSP70-Ab and incubated. The competitive inhibition reaction is launched between with HRP labeled HSP70-Ab and unlabeled HSP70-Ab with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of HSP70-Ab in the sample. The color development is stopped and the intensity of the color is measured. Background: Heat shock protein 70 (HSP70) is overexpressed in many kinds of tumors and is believed to be heavily involved in tumor progression. chicken HSP70 (chHSP70) xenogeneic DNA vaccine to elicit immune responses in a beagle canine transmissible venereal tumor (CTVT) model. CTVT dogs received empty vector vaccination and no treatment (CW) were used as controls.It was concluded that xenogeneic chHSP70 DNA vaccine successively breaks the tumor tolerance against canine HSP70 and exhibits promising prophylactic activity to inhibit the growth of HSP70-expressing tumor. The 70 kilodalton heat shock proteins (Hsp70s) are a family of ubiquitously expressed heat shock proteins. Proteins with similar structure exist in virtually all living organisms. The Hsp70s are an important part of the cell's machinery for protein folding, and help to protect cells from stress.

NCBI AND UNIPROT INFORMATION

NCBI GI #	327239736
NCBI Official Full Name	heat shock protein 70 cognate, partial

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://stage.aaabiotech.com/human-elisa-kits/heat-shock-protein-70-hsp70-ab/331982