

## Human HSP27 AccuSignal ELISA Kit - KOA0530

**Code:** KOA0530

**Size:** 1 Kit

**Product Description:** Human HSP27 AccuSignal ELISA Kit - KOA0530

**PhysicalState:**

<b>Label</b>	Unconjugated
<b>Gene Name</b>	HSPB1
<b>Species Reactivity</b>	Human
<b>Storage Condition</b>	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
<b>Synonyms</b>	HSPB1, 28 kDa heat shock protein, CMT2F, estrogen regulated 24 kDa protein, Estrogen-regulated 24 kDa protein, Heat shock 27 kDa protein, heat shock 27kDa protein 1, heat shock protein beta 1, Heat shock protein beta-1, HMN2B, HS.76067, HSP 27, Hsp25, HSP27, HSP28, HspB1, SRP27, stress responsive protein 27, Stress-responsive protein 27
<b>Application Note</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml human HSP27 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, cell lysates, serum, plasma (heparin, EDTA) or tissue homogenates to each empty well. It is recommended that each human HSP27 standard solution and each sample be measured in duplicate.
<b>Background</b>	Hsp27 is a chaperone of the sHsp (small heat shock protein) group among ubiquitin, alpha-crystallin, Hsp20 and others. The common functions of sHsps are chaperone activity, thermotolerance, inhibition of apoptosis, regulation of cell development, and cell differentiation. They also take part in signal transduction. The HSP27 gene has 3 exons. The mouse Hsp25 gene was mapped to chromosome 5 in a region homologous to 7q in the human. They also mapped the mouse Hsp105 gene to chromosome 5 but suggested that the human homolog is probably on 13q, not chromosome 7. The standard used in this kit is recombinant human HSP27, consisting of 205 amino acids with the molecular mass of 22.7kDa.
<b>Purity And Specificity</b>	Natural and recombinant human HSP27. There is no detectable cross-reactivity with other relevant proteins.
<b>ELISA</b>	62.5pg/ml-4000pg/ml
<b>Expiration</b>	See kit insert for complete instructions.
<b>Immunogen</b>	Expression system for standard: E.coli; Immunogen sequence: T2-K205
<b>Anti-Coagulant</b>	Heparin Sodium
<b>Related Products</b>	
	MB-008      10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
	MB-012      10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
	MB-013      10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
	MB-075-1000      10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000
<b>Related Links</b>	
	UniProtKB - P04792
	<a href="http://www.uniprot.org/uniprot/P04792">http://www.uniprot.org/uniprot/P04792</a>
	NCBI - <a href="http://www.ncbi.nlm.nih.gov/protein/NP_001531.1">http://www.ncbi.nlm.nih.gov/protein/NP_001531.1</a>
	NP_001531.1
	GeneID - 3315

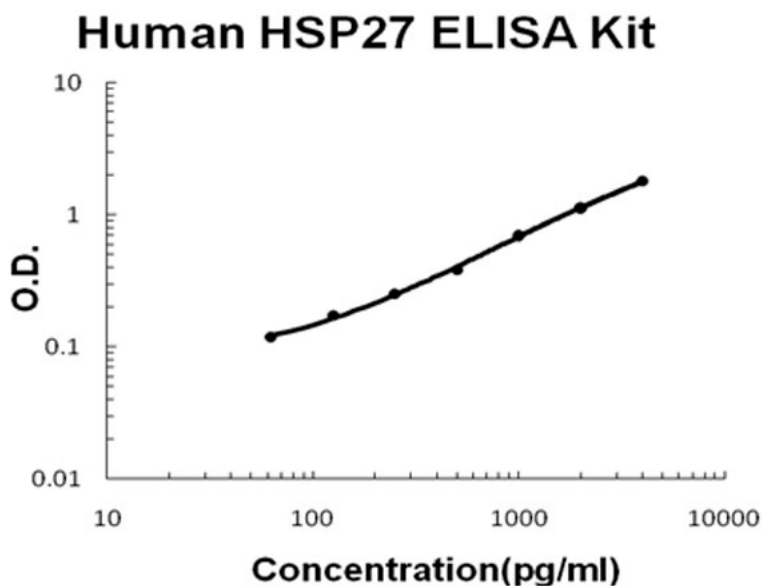
<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=3315>

KOA0530 Protocol <http://www.rockland-inc.com/uploadedfiles/Support/KOA0530-%20SZ.pdf>

## Images

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Human HSP27 AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <5pg/ml.



## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.