Human HSP-27/HSPB1 Antibody Pair Set

Catalog No. E-KAB-0462 **Applications** ELISA
Synonyms HSPB1;CMT2F;HMN2B;HS.76067;HSP27;HSP28;Hsp25;SRP27

Kit components & Storage

Title	Specifications	Storage
Human HSP-27/HSPB1 Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human HSP-27/HSPB1 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

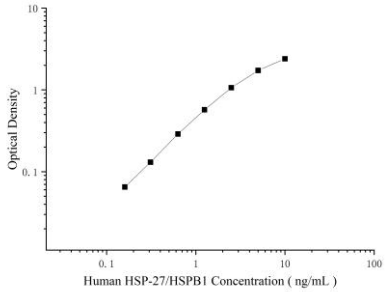
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0462)	
		Human HSP-27/HSPB1 Capture Antibody	Human HSP-27/HSPB1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human HSP-27/HSPB1 protien	Recombinant Human HSP-27/HSPB1 protien
	Swissprot	P04792	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human HSP-27/HSPB1 in ELISAs.	

Applications

Human HSP-27/HSPB1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human HSP-27/HSPB1 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human HSP-27/HSPB1 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

This gene encodes a member of the small heat shock protein (HSP20) family of proteins. In response to environmental stress , the encoded protein translocates from the cytoplasm to the nucleus and functions as a molecular chaperone that promotes the correct folding of other proteins. This protein plays an important role in the differentiation of a wide variety of cell types. Expression of this gene is correlated with poor clinical outcome in multiple human cancers , and the encoded protein may promote cancer cell proliferation and metastasis , while protecting cancer cells from apoptosis. Mutations in this gene have been identified in human patients with Charcot-Marie-Tooth disease and distal hereditary motor neuropathy.