

## Product Datasheet

### Anti-HSPB1 [SAIC-23E-30] (orb1089990)

<b>Catalog Number</b>	orb1089990
<b>Category</b>	Antibodies
<b>Description</b>	Rabbit monoclonal antibody to HSPB1
<b>Target</b>	HSPB1
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	PBS with 0.02% Proclin 300.
<b>Purity</b>	Purified
<b>Immunogen</b>	Peptide "LFDQAFGLPR" derived from Heat shock protein beta-1, involved in stress resistance and actin organisation, conjugated to KLH.
<b>UniProt ID</b>	<b>P04792</b>
<b>Specificity</b>	Recognises human HSPB1.
<b>Clone Number</b>	SAIC-23E-30
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

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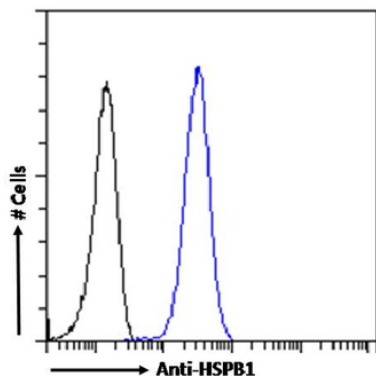
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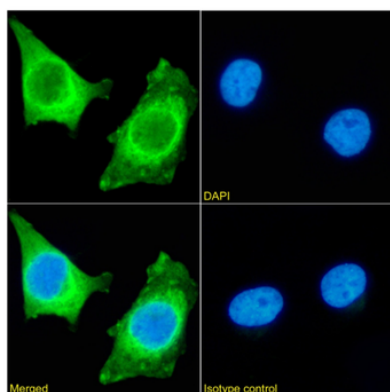
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**Note** For research use only

**Expiration Date** 12 months from date of receipt.



Flow cytometry using the Anti-HSPB1 antibody SAIC-23E-30. Paraformaldehyde fixed HeLa cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody (orb256458; isotype control, black line) or the rabbit IgG version of SAIC-23E-30 (orb1089990, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunofluorescence staining of HeLa cells with anti-HSPB1 SAIC-23E-30. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton stained with the chimeric rabbit IgG version of SAIC-23E-30 (orb1089990) (1:100 dilution) for 1h followed by Alexa Fluor® 488 secondary antibody (1:1000 dilution), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb1089990, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (orb256458) followed by staining with Alexa Fluor® 488 secondary antibody.

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