

Hsp47 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 11141 (clone 1C4-1A6)
Size: 100ug in PBS (1mg/ml), pH 7.4,
50% glycerol, 0.09% sodium azide.
Purified by Protein G affinity
chromatography.

BACKGROUND

Hsp47 is a chaperone protein and member of the superfamily of serine proteinase inhibitors. Also known as SERPINH1, it is a stress protein localized in the endoplasmic reticulum and plays an active role in intracellular folding, assembly, and secretion of pro-collagens. Expression of Hsp47 is increased at sites of fibrotic lesions.

SPECIFICATION SUMMARY

Antigen: Full-length human Hsp47
(accession no.NP_001193943).
Host Species: Mouse
Antibody Class: IgG1

SPECIFICITY

This antibody recognizes human Hsp47.

APPLICATIONS

Immunoblotting: use at 1ug/ml. A band of ~47kDa is detected.

ELISA: use at 1-10ug/ml with Hsp47 on the solid phase.

Positive control: heat-shocked HeLa cell lysate.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not intended for diagnostic or therapeutic applications.