

## 42-1470: Anti-HSP47 Monoclonal Antibody (Clone : 1C4-1A6)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	1C4-1A6
<b>Application :</b>	WB,ICC/IF
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	Unconjugated
<b>Gene :</b>	SERPINH1
<b>Gene ID :</b>	871
<b>Uniprot ID :</b>	P50454
<b>Alternative Name :</b>	SERPINH1,CBP1,CBP2,HSP47,SERPINH2,PIG14
<b>Isotype :</b>	Mouse IgG1 Kappa
<b>Immunogen Information :</b>	Human HSP47, full length

### Description

HSP47 is a chaperone protein, member of the superfamily of serine proteinase inhibitors. Also known as SERPINH1, a serine proteinase inhibitor. It is a stress protein that resides in the endoplasmic reticulum, has an active role on the intracellular process of folding, assembly and secretion of pro-collagens. Recent studies have shown the association of an increased expression of HSP47 around fibrotic lesions. The identification of a novel biomarker on cell therapies aimed to reduce the progression of fibrotic diseases, could be used potentially as a universal marker, since HSP47 binds a single substrate. Type I collagen is fundamental during the healing process after a myocardial infarction. It is critical in the position of collagen-produced cells and the assembly of collagen fibrils.

### Product Info

<b>Amount :</b>	200 µg
<b>Purification :</b>	Protein G Purified
<b>Content :</b>	PBS pH7.4, 50% glycerol, 0.09% sodium azide
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

WB (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

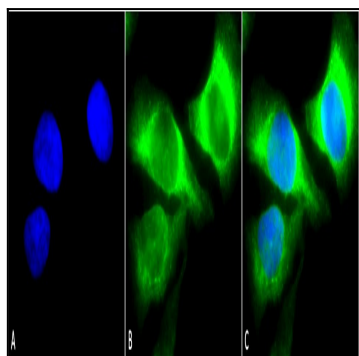


Figure1 : Mouse Anti-Hsp47 Antibody [1C4-1A6] used in Immunocytochemistry/Immunofluorescence (ICC/IF) on Human Heat Shocked HeLa Cells

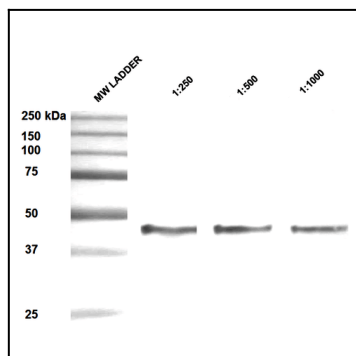


Figure 2 : Mouse Anti-Hsp47 Antibody [1C4-1A6] used in Western Blot (WB) on Human Epithelial cell (A431) lysates

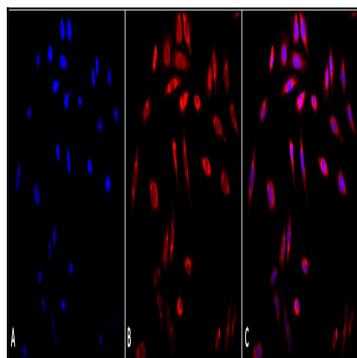


Figure 3 : Mouse Anti-Hsp47 Antibody [1C4-1A6] used in Immunocytochemistry/Immunofluorescence (ICC/IF) on Human Heat Shocked HeLa Cells