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## 42-1482: Anti-HSP47 Monoclonal Antibody (Clone: 1C4-1A6) - FITC

Clonality: Monoclonal **Clone Name:** 1C4-1A6 WB.ICC/IF Application: Reactivity: Human Conjugate: FITC Gene: SERPINH1 Gene ID: 871 **Uniprot ID:** P50454

**Alternative Name:** SERPINH1,CBP1,CBP2,HSP47,SERPINH2,PIG14

**Isotype:** Mouse IgG1 Kappa **Immunogen Information:** 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 on 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**

**Amount :** 200 μg

**Purification:** Protein G Purified

**Content:** PBS pH7.4, 50% glycerol, 0.09% sodium azide

**Storage condition :** Store the antibody at 4°C

## **Application Note**

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

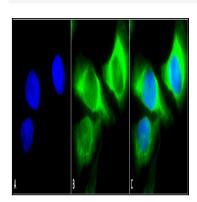


Figure1 : Mouse Anti-Hsp47 Antibody [1C4-1A6] used in Immunocytochemistry/Immunofluorescence (ICC/IF) on Human Heat Shocked HeLa Cells



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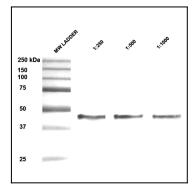


Figure 2 : Mouse Anti-Hsp47 Antibody [1C4-1A6] used in Western Blot (WB) on Human Epithelial cell (A431) lysates

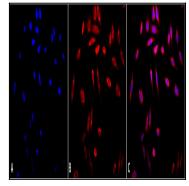


Figure 3 : Mouse Anti-Hsp47 Antibody [1C4-1A6] used in Immunocytochemistry/Immunofluorescence (ICC/IF) on Human Heat Shocked HeLa Cells