

For Research Use Only

CoraLite®594-conjugated Hsc70 Monoclonal antibody



Catalog Number:CL594-66442

Basic Information

Catalog Number:

CL594-66442

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG17910

GenBank Accession Number:

BC007276

GeneID (NCBI):

3312

UNIPROT ID:

P11142

Full Name:

heat shock 70kDa protein 8

Calculated MW:

70 kDa

Observed MW:

70 kDa

Purification Method:

Protein G purification

CloneNo.:

1A4B3

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : HEK-293 cells,

Background Information

HSPA8 (also known as HSC70) is a member of the HSPA (HSP70) family of heat-shock proteins which are highly conserved chaperons implicated in protein folding, protein refolding, protein transport, and protein targeting. HSPA8 is a constitutively expressed cytosol/nuclear protein able to translocate between cytoplasm and nucleus. Recently it has been reported that HSPA8 can interact with α -synuclein, the critical pathological protein of Parkinson's disease, indicating its implication in neurodegenerative disease. (PMID: 21832061)

Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

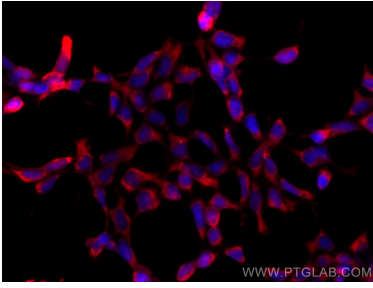
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using CoraLite®594 Hsc70 antibody (CL594-66442, Clone: 1A4B3) at dilution of 1:200.