

CoraLite®647-conjugated GRP94 Polyclonal antibody

Catalog Number: **CL650-14700**

Basic Information

Catalog Number:

CL650-14700

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6344

GenBank Accession Number:

BC066656

GeneID (NCBI):

7184

UNIPROT ID:

P14625

Full Name:

heat shock protein 90kDa beta
(Grp94), member 1

Calculated MW:

92 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

**Excitation/Emission maxima
wavelengths:**

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

Background Information

HSP90 proteins are highly conserved molecular chaperones, which normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. HSP90B1 (GP96 or GRP94) is an endoplasmic reticulum paralogue of the cytosolic HSP90. As a major ER chaperone to mediate the UPR and a master chaperone for Toll-like receptors (TLRs), HSP90b1 chaperones peptides to MHC class I molecules of dendritic cells and other antigen-presenting cells, as well as facilitating the assembly of immunoglobulin. The protein is also involved in many other bio-processes. This antibody was generated against the C-terminal region of full-length HSP90b1.

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

