For Research Use Only

CoraLite® Plus 647-conjugated 6*His, His-Tag Monoclonal antibody

Catalog Number:CL647-66005 5 Publications

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL647-66005

Concentration:
1000 μg/ml

Source:
Mouse

Isotype:
IgG1

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Calculated MW:
0.84 kDa

Purification Method:
Protein G purification

CloneNo.:
1B7G5

Recommended Dilutions:
IF/ICC 1:250-1:1000

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Cited Applications:
IF

Species Specificity:
recombinant protein

Positive Controls:

IF/ICC : Transfected HEK-293 cells,

Background Information

Protein tags are protein or peptide sequences located either on the C- or N- terminal of the target protein, which facilitates one or several of the following characteristics: solubility, detection, purification, localization and expression. His-tag is often used for affinity purification and binding assays. Expressed His-tagged proteins can be purified and detected easily because the string of histidine residues binds to several types of immobilized metal ions, including nickel, cobalt and copper, under specific buffer conditions. The His-tag antibody is a useful tool for monitoring of the His-tagged proteins, and recognizes His-tags placed at N-terminal, C-terminal, and internal regions of fusion proteins expressed in bacteria, insect, and mammalian cells.

Notable Publications

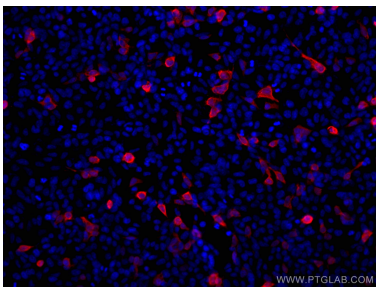
Author	Pubmed ID	Journal	Application
Fa Dai	39985586	Cell Mol Life Sci	IF
Hong-Rui Li	39929739	ACS Synth Biol	IF
Hong-Rui Li	39582690	Synth Syst Biotechnol	

Storage

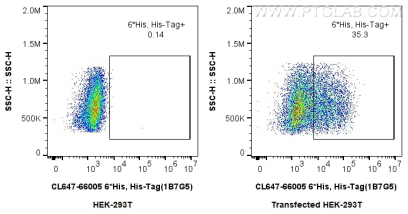
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed Transfected HEK-293 cells using CoraLite® Plus 647-conjugated 6*His, His-Tag antibody (CL647-66005, Clone: 1B7G5) at dilution of 1:500.



1X10^6 Transfected HEK-293 and HEK-293 cells were intracellularly stained with 0.8 ug CoraLite® Plus 647 Anti-N/A 6*His, His-Tag (CL647-66005, Clone:1B7G5).Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).