For Research Use Only

Biotin-conjugated 6*His, His-Tag Monoclonal antibody

Catalog Number:Biotin-66005

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Basic Information

Catalog Number:
Biotin-66005

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

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:
ELISA 1:5000-1:50000

Applications

Tested Applications:
ELISA

Species Specificity:
recombinant protein

Positive Controls:

ELISA : Recombinant protein,

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.

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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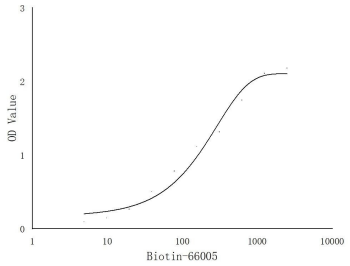
Selected Validation Data



Biotin-66005 was tested by ELISA. Ag19172(GST-3*MYC-6*HIS-3*FLAG-6*HIS-3*HA-6*HIS)was coated onto microtiter plates at 0.15 μg/well and then incubated with a dilution series of Biotin-66005 (start dilution 1:1000. Bound antibodies were detected with Streptavidin Poly-HRP(1:5000)followed by incubation with HRP Substrate, terminated with 2M H_2SO_4, then measuring the resulting absorbance at 450 nm.