



Anti-6X His tag, Mouse Monoclonal Antibody

Catalog No.: PG-20010

Antigen Species: 6xHis

Isotype: IgG 2b

Quantity: 100 μ g

Reactivity: 6xHis

Clone No.: 5H6

Applications tested: ELISA, Western blot

Host Species: Mouse

Form: Antigen affinity purified Antibody

Target description

The 6X histidine recombinant protein tag is made up of 6 histidine residues attached to either the amino or carboxy terminus of the protein being expressed. The recombinant protein can then be purified using immobilized metal ions, traditionally nickel, in a procedure termed immobilized-metal affinity chromatography. Further analysis of the protein can be achieved using an antibody specific to the 6X histidine in techniques such as western blotting and immunoprecipitation.

Antigen

This monoclonal antibody was raised by immunizing mouse with a 6X histidine peptide conjugated to OVA.

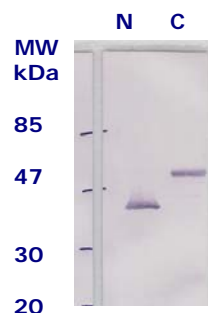
Applications

Western Blot analysis (WB): 1,000 ~ 10,000 dilution

ELISA: 1,000 ~ 10,000 dilution

Related Products

1. Anti- His-tag and X press-tag, Chicken pAb (PY-10265)
2. Anti-6X His tag, Rabbit pAb (PG-10008).
3. Anti-Myc tag, Mouse mAb (PG -20011).
4. Anti-HA tag, Rabbit pAb (PG - 10010).



N : N-terminal 6X His tag fusion Protein

C : C-terminal 6X His tag fusion Protein

Antibody dilution : 1,000 x

Western blot Protocol

1. Protein sample run SDS-PAGE.
2. Blotting with semi-dry electrophoretic transfer system.
3. After transferring, rinse the transfer membrane with ddWater and let it dry.
4. Blocking transfer membrane with 5% skim milk, 0.2% sodium azide in TBS, incubate at 37°C for at least 2 hrs or 4°C O/N.
5. Wash the membrane with 0.05% Tween 20 in TBS (TBST).
6. Add primary Ab sol. and incubate at 37°C for 1 hr. (Ab is diluted in 5% Goat serum/TBS)
7. Wash the membrane 3 times with TBST.
8. Add secondary Ab (Goat anti-mouse IgG 3000X diluted in 5% Goat serum/TBS) and incubate at 37°C for 1 hr.
9. Wash the membrane 3 times with TBST.
10. Wash the membrane with ddW.
11. Soak the membrane in BCIP/NBT substrate solution, after the color developed, wash with ddWater and let it dry.

Storage

It is supplied as antigen affinity purified monoclonal antibody in lyophilized powder. Redissolve the powder with 100 microliter sterile water will restore to the original concentration 1 mg/ml (1xPBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

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