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## Anti-His, Clone 6E2

(mouse monoclonal IgG)

Catalog # 05-0093

Lot # 100299

**Immunogen:** Synthetic peptide containing HHHHHH

**Specificity:** Recognizes protein containing His.

**Species Cross-reactivity:** Not determined.

**Formulation:** 0.1mg of mouse monoclonal IgG in 0.1ml of 0.01M Tris-HCl, pH 8.0, 0.15M NaCl, 25% glycerol, 0.02% sodium azide. Protein was determined by OD<sub>280</sub> absorbance.

**Physical State:** Frozen liquid

**Storage:** Store the product at -20°C. Product is stable for about 6 weeks at 2-8°C as an undiluted liquid. Prepare working dilution fresh each day. Avoid repeated freezing and thawing. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

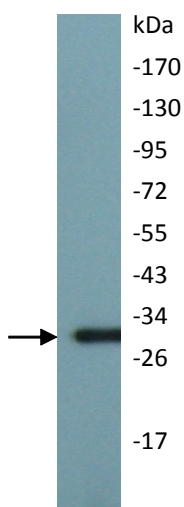
**FOR IN VITRO RESEARCH USE ONLY  
NOT FOR USE IN HUMANS**

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### Research Applications

**ELISA:** A working concentration of 0.5~2µg/ml is suggested. Detection sensitivity 0.8ng/ml.

**Immunoblot Analysis:** 0.5~2µg/ml.



His recombinant protein was resolved by electrophoresis, transferred to PVDF membrane and reacted with the recommended dilution of Anti-His. The membrane was incubated using a goat anti-mouse secondary antibody conjugated to HRP and in ECL detection system to visualize results.

Arrow indicates His recombinant proteins.

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## **Immunoblot Protocol**

1. Perform SDS-polyacrylamide gel electrophoresis (SDS-PAGE) on samples and transfer the proteins to a PVDF membrane.
2. Block the blotted PVDF membrane in freshly prepared PBS containing 5% nonfat dry milk and 0.02% Tween-20 for 1 hour at room temperature or overnight at 4°C in a shaker.
3. Incubate the PVDF with the recommended dilution of Anti-His diluted in freshly prepared 1% nonfat dry milk and 0.02% Tween-20 for 2 hour at room temperature in a shaker.
4. Wash the PVDF 3 times with PBST.
5. Incubate the PVDF in the secondary reagent of choice (a goat anti-mouse secondary antibody conjugated to HRP, Catalog # 02-0001, 1:4000 dilution was used) in 1% nonfat dry milk and 0.02% Tween-20 for 1 hour at room temperature in a shaker.
6. Wash the PVDF 3-5 times with PBST.
7. Incubate the PVDF in ECL substrate for 1 min and cover the membrane by PE film.
8. In the darkroom, expose the PVDF to Autoradiography film for 5 s~ 5 min to visualize results.