# Product datasheet

## anti-6-His-tag mouse monoclonal, 6His, lyophilized, purified

## Short overview

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|---|---|
| **Cat. No.** | 910HIS |
| **Quantity** | 25 µg |
| **Concentration** | 0.25 mg/ml after reconstitution with 100 µl PBS |

## Product description

| | |
|---|---|
| **Host** | Mouse |
| **Antibody Type** | Monoclonal |
| **Isotype** | IgG1 |
| **Clone** | 6His |
| **Immunogen** | Recombinant protein containing the sequence HHHHHH |
| **Formulation** | Lyophilized; reconstitute in 100 µl sterile PBS, pH 7.4 |
| **Synomym** | ChR2 |
| **Conjugate** | Unconjugated |
| **Purification** | Affinity chromatography |
| **Storage before reconstitution** | 2-8°C until indicated expiry date |
| **Storage after reconstitution** | -20°C (avoid freeze/thaw cycles) |
| **Intended use** | Research use only |
| **Application** | ICC/IF, IP, WB |
| **Reactivity** | 6-His |

## Applications

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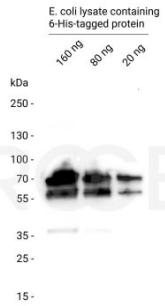
|---|---|
| **Immunocytochemistry (ICC)** | Assay dependent |
| **Immunoprecipitation (IP)** | Assay dependent |
| **Western Blot (WB)** | 1:2,000-1:5,000 (0.125-0.05 µg/ml) |

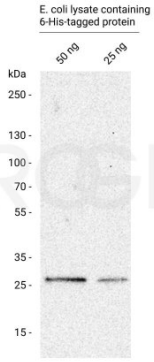
## Background

The monoclonal 6-His antibody recognizes polyhistidine (6-His). The 6-His tag is commonly added to recombinant proteins and can be used for detection or purification of the tagged protein.

## Product images




Western blot analysis of E. coli lysate containing 6-His-tagged protein with anti-6-His-tag antibody. Western blot analysis was performed on 160 ng, 80 ng or 20 ng of E. coli lysate containing 6-His-tagged protein. Cells were lysed with SDS sample buffer. The PVDF membrane was blocked with 5% dry milk in PBST for 1 h at RT. The primary antibody anti-6-His-tag mouse monoclonal, 6His (Cat. No. 910HISL) was diluted in blocking buffer (antibody concentration 0.125 µg/ml) and incubated for 1 h at RT. The secondary antibody goat anti-mouse IgG polyclonal, HRP conjugate was also diluted in blocking buffer (antibody concentration 0.2 µg/ml) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using PierceTM ECL Western Blotting Substrate.




Western blot analysis of E. coli lysate containing 6-His-tagged protein with anti-6-His-tag antibody. Western blot analysis was performed on 50 ng or 25 ng of E. coli lysate containing 6-His-tagged protein. Cells were lysed with SDS sample buffer. The PVDF membrane was blocked with 5% dry milk in PBST for 1 h at RT. The primary antibody anti-6-His-tag mouse monoclonal, 6His (Cat. No. 910HISL) was diluted in blocking buffer (antibody concentration 0.05 µg/ml) and incubated for 1 h at RT. The secondary antibody goat anti-mouse IgG polyclonal, HRP conjugate was also diluted in blocking buffer (antibody concentration 0.2 µg/ml) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using PierceTM ECL Western Blotting Substrate.