Product datasheet

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

Short overview

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
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

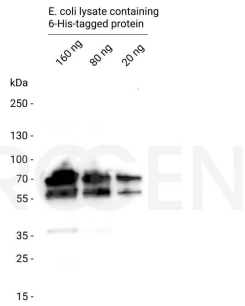
Applications

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

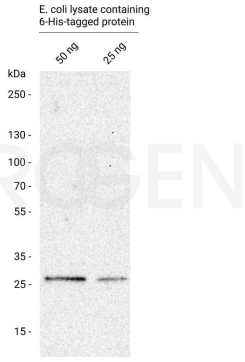
Background

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.