

Rev05
Update: Oct,19,2022

DATASHEET

MonoRab™ Anti-His Tag (C-term) Antibody(25B6E11), mAb, Rabbit

Cat. No.: A01857

Overview

Specificity	GenScript MonoRab™ Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit specifically recognizes His tags placed at C-terminal and internal regions of His-fusion proteins. This product is not recommended for N-terminal His-fusion protein detection.
Host Species	Rabbit
Immunogen	6x His synthetic peptide coupled to KLH
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Application	Recommended Usage
ELISA	0.05-0.2 µg/ml
Western Blot	0.1-0.2 µg/ml
Immunoprecipitation (IP)	2 µg/ml
Immunocytochemistry/Immunofluorescence (ICC/IF)	1 µg/ml
Flow Cytometry	1 µg/ml

Properties

Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/mL.
Storage Instructions	The lyophilized product remains stable for up to 1 year at -20°C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8°C, or for up to 12 months at -20°C or below. Upon receiving, spin the vial down to place the lyophilized antibody on the bottom of the vial. Reconstitute the antibody as mentioned above. Prepare single use aliquots (no less than 10µl) and freeze it immediately at -20°C. The frozen aliquots should be thawed once with any remainder kept at 4°C.
Purification	Purified by Protein A affinity chromatograph.
Isotype	Rabbit IgG
Clonality	Monoclonal
Clone ID	25B6E11
Note	GenScript can customize this product according to you requirement, including product size, buffer components, etc.

Examples

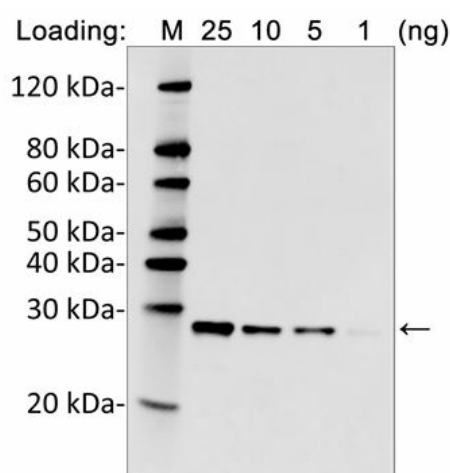


Figure 1. Sensitivity and specificity of MonoRab™ Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit (A01857) to different quantities of a recombinant His₆-tagged protein was determined by Western blot. The primary antibody was A01857 at 0.2 µg/mL concentration. The secondary antibody was Goat anti-rabbit IgG (H&L) [IRDye⁸⁰⁰] (Licor,926-32211) at 0.125 µg/mL concentration.

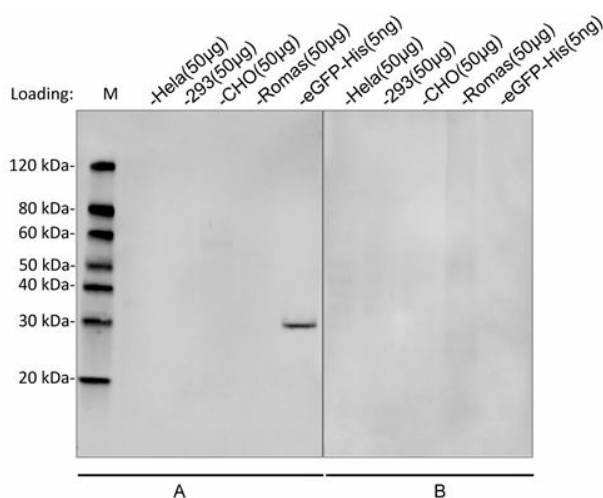


Figure 2. Cross-reactivity of MonoRab™ Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit (A01857-40) was determined by Western blot. The primary antibodies were (A) A01857-40 at 1µg/mL concentration; and (B) Rabbit IgG (Negative control) at 1µg/mL concentration. The secondary antibody was Goat anti-Rabbit IgG (H&L) [IRDye⁸⁰⁰] (Licor,926-32211) at 0.125µg/mL concentration.

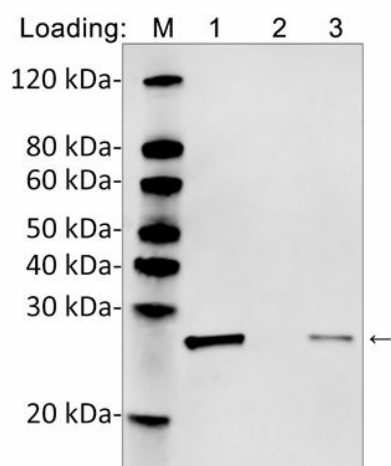


Figure 3. Cell lysates containing over-expressed His-tagged protein were used for immunoprecipitation using MonoRab™ Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit (A01857) and the result was analyzed by Western blot. The following were loaded:

Lane 1: Immunoprecipitation with MonoRab™ Anti-His antibody (4 µg)

Lane 2: Negative control – IP with Rabbit IgG (4 µg)

Lane 3: Positive control containing His-tagged protein

The primary antibody for Western blot detection was THE™ His tag antibody, mAb, Mouse (GenScript, A01857) at 0.2 µg/mL concentration. The secondary antibody was Goat anti-rabbit IgG (H&L) [IRDye⁸⁰⁰] (Licor, 926-32211) at 0.125 µg/mL concentration.

Background

Target Background : The rabbit immune system generates diverse antibodies and optimizes antibody affinity. GenScript utilizes MonoRab™ technology to generate high affinity and specific monoclonal rabbit antibodies. GenScript's MonoRab™ Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit is specific to six histidine tag placed at the C-terminal and internal regions of fusion proteins. This antibody can greatly improve the effectiveness of several different kinds of immunoassays, helping researchers identify, detect, and purify polyhistidine fusion proteins from bacteria, insect cells, and mammalian cells.

Synonyms : Rabbit monoclonal to His tag

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.