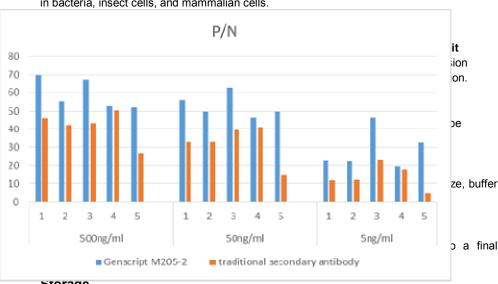


# MonoRab<sup>™</sup> Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit

# **PRODUCT INFORMATION**

## Description

The rabbit immune system generates antibody diversity and optimizes affinity. GenScript utilizes MonoRab™ technology to generate high affinity and specific monoclonal rabbit antibodies. GenScript MonoRab™ Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit is specific to six histidine tags placed at 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 in bacteria, insect cells, and mammalian cells.



Storage

GenScript MonoRab<sup>™</sup> Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit should be stored at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed.

## **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.

ELISA: 0.05-0.2 μg/ml
Western Blot: 0.1-0.2 μg/ml
Immunoprecipitation (IP): 2 μg/ml
Immunofluorescent staining: 1 μg/ml
Flow cytometry (FACS): 1 μg/ml
Other applications: user-optimized

Cat. No.: A01857-40

**Host:** Rabbit **Size**: 40 μg

Immunogen: 6x His synthetic peptide coupled to KLH Ig Subclass: IgG Clone: 25B6E11 Purification: Protein A affinity column

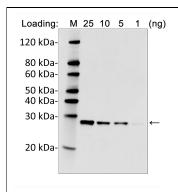
Conjugation: Unconjugated

Version: 01/03/2017



## **Example**

 Western Blot of 6xHis-tag Fusion Protein using MonoRab<sup>™</sup> Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit (A01857-40)



**Figure 1:** Sensitivity and specificity of MonoRab<sup>™</sup> Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit (A01857-40) to 6xHis-tag Fusion Protein by Western blot.

Loading: His tagged fusion protein

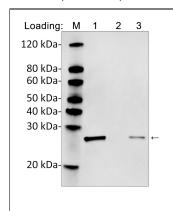
**Primary Antibody:** 

MonoRab<sup>™</sup> Anti-His Tag Antibody (A01857-40) 0.2 μg/ml

Secondary Antibody:

Goat anti-rabbit IgG (H&L) [IRDye800] (Licor,926-32211) 0.125 µg/ml

 Western blot analysis of immunoprecipitation using MonoRab<sup>™</sup> Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit (A01857-40)



**Figure 2:** Western blot analysis of immunoprecipitation from cell lysates containing His fusion protein by using MonoRab<sup>TM</sup> Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit (A01857-40)

#### Loading:

Lane 1: MonoRab™ Anti-His antibody (4 µg) + His tagged fusion protein

Lane 2: Rabbit IgG (4 µg) + His tagged fusion protein

Lane 3: His tagged fusion protein (Input)

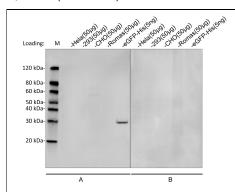
#### **Primary Antibody:**

THE<sup>™</sup> His tag antibody, mAb, Mouse (Genscript,A00186) 0.2 μg/ml

Secondary Antibody:

Goat anti-rabbit IgG (H&L) [IRDye<sup>800</sup>] (Licor,926-32211) 0.125 μg/ml

 Western blot analysis of cross-reactivity using MonoRab<sup>™</sup> Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit (A01857-40)



**Figure 3:** Western blot analysis of cross-reactivity of MonoRab<sup>™</sup> Anti-His Tag (C-term) Antibody (25B6E11), mAb, Rabbit (A01857-40)

# **Primary Antibody:**

A: MonoRab<sup>™</sup> Anti-His Tag Antibody (A01857-40) 1µg/ml B: Rabbit IgG (Negative control) 1µg/ml

#### Secondary Antibody:

Goat anti-Rabbit IgG (H&L) [IRDye800] (Licor,926-32211)0.125µg/ml

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