

Anti-Beta-galactosidase Antibody (5K148)

Product Details

Ig Type:	IgG1
Reactivity:	Escherichia coli
Conjugation:	Unconjugated
Clone:	5K148
Purification:	Protein A purified

Applications

1. Western Blot

- Positive WB detected in Recombinant protein
- All lanes: lacZ antibody at 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, 1:64000
- Secondary: Goat polyclonal to Mouse IgG at 1/50000 dilution
- Predicted band size: 117 kDa
- Observed band size: 130 kDa

2. Western Blot

- Positive WB detected in Recombinant protein (10ng, 5ng, 2.5ng, 1.25ng, 0.625ng)
- All lanes: lacZ antibody at 1:2000
- Secondary: Goat polyclonal to Mouse IgG at 1/50000 dilution
- Predicted band size: 117 kDa
- Observed band size: 130 kDa

Verified Activity:

3. Immunofluorescence staining of 293T cells transfected with TMAH-00680 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). The image on the right is the 293T cells transfected without lacZ antibody

4. Immunoprecipitating lacZ in 293T transfected whole cell lysate

- Lane 1: Mouse control IgG instead of TMAH-00680 in 293T transfected whole cell lysate
- Lane 2: TMAH-00680 (2µl) + 293T transfected whole cell lysate (500µg)
- Lane 3: 293T transfected whole cell lysate (20µg)

For western blotting, the blot was detected with Flag Tag Monoclonal Antibody at 1:2000, and a HRP-conjugated Protein G antibody was used as the secondary antibody at 1:2000

5. Overlay histogram showing 293T transfected cells (red line) or untransfected cells (green line) stained with TMAH-00680 at 1:200. The cells were incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4°C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4°C.

A DRUG SCREENING EXPERT

Application: ELISA, WB, IF, IP, FCM

Properties

Purity: >95%

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Escherichia coli Beta-galactosidase Protein

Antigen Species: Escherichia coli

Uniprot ID: P00722

Synonyms: lacZ; β -galactosidase Protein;Lactase;Beta-galactosidase; β -galactosidase; β -gal;Beta-gal

Biology Area: Tags & Cell Markers

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481