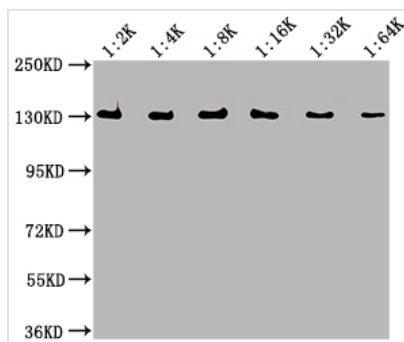




# lacZ Monoclonal Antibody

<b>Product Code</b>	CSB-MA009476A0m
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P00722
<b>Immunogen</b>	Recombinant Escherichia coli Beta-galactosidase protein (2-1024AA)
<b>Raised In</b>	Mouse
<b>Species Reactivity</b>	Escherichia coli
<b>Tested Applications</b>	ELISA, WB, IF, IP, FC; Recommended dilution: WB:1:1000-1:64000, IF:1:50-1:200, IP:1ul-4ul, FC:1:100-1:300
<b>Relevance</b>	Hydrolysis of terminal non-reducing beta-D-galactose residues in beta-D-galactosides.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
<b>Purification Method</b>	>95%, Protein G purified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Monoclonal Antibody
<b>Immunogen Species</b>	Escherichia coli
<b>Target Names</b>	lacZ
<b>Clone No.</b>	3B7D5

## Image

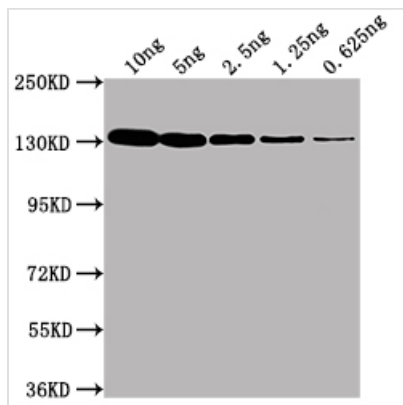


### Western Blot

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



**Western Blot**

Positive WB detected in Recombinant protein (10ng, 5ng, 2.5ng, 1.25ng, 0.625ng)

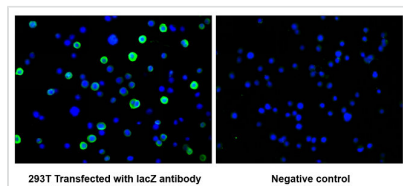
All lanes: lacZ antibody at 1:2000

Secondary

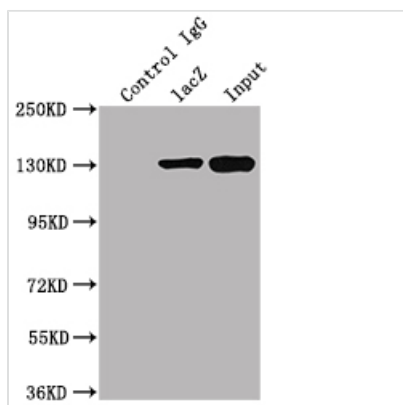
Goat polyclonal to Mouse IgG at 1/50000 dilution

Predicted band size: 117 kDa

Observed band size: 130 kDa



Immunofluorescence staining of 293T cells transfected with CSB-MA009476A0m 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



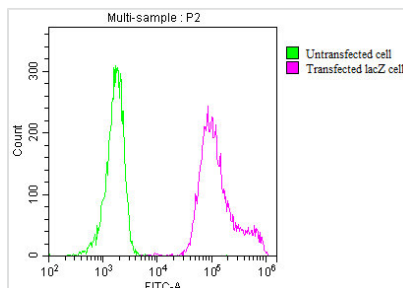
**Immunoprecipitating lacZ in 293T transfected whole cell lysate**

Lane 1: Mouse control IgG instead of CSB-MA009476A0m in 293T transfected whole cell lysate

Lane 2: CSB-MA009476A0m (2µl) + 293T transfected whole cell lysate (500µg)

Lane 3: 293T transfected whole cell lysate (20µg)

For western blotting, the blot was detected with CSB-MA000021M0m at 1:2000, and a HRP-conjugated Protein G antibody was used as the secondary antibody at 1:2000



Overlay histogram showing 293T transfected cells (red line) or untransfected cells (green line) stained with CSB-MA009476A0m 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.

**Usage**

For Research Use Only. Not for use in diagnostic or therapeutic procedures.