

Mouse lacZ Monoclonal Antibody | anti-lacZ antibody

lacZ Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA243697	Mouse	Escherichia coli	Flow Cytometry, Functional Assay, Immunoprecipitation, Immunofluorescence, Western Blot, ELISA

PRODUCT SYNONYMS

lacZ; Monoclonal Antibody; lacZ Monoclonal Antibody; Beta-galactosidase (Beta-gal) (Lactase); anti-lacZ antibody

PRODUCT SPECIFICATIONS

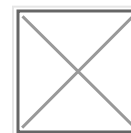
Host	Mouse
Reactivity	Escherichia coli
Clonality	Monoclonal
Isotype	IgG1
Purity/Purification	>95%, Protein A Purified
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Applicable Applications for anti-lacZ antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	Recombinant Escherichia coli Beta-galactosidase protein
Immunogen Species	Escherichia coli
Conjugate	Non-conjugated
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



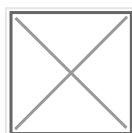
FCM/FACS (Flow Cytometry)

Overlay histogram showing 293 transfected cells stained with AAA243697 (red line) 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 degree C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4 degree C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.



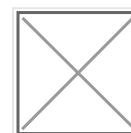
IP (Immunoprecipitation)

Immunoprecipitating lacZ in 293F transfected whole cell lysate Lane 1: Mouse control IgG (1ug) instead of AAA243697 in 293F transfected whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA243697 (5ug) + 293F transfected whole cell lysate (500ug) Lane 3: 293F transfected whole cell lysate (20ug)



IF (Immunofluorescence)

Immunofluorescence staining of 293 transfected cells with AAA243697 at 1:100, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



WB (Western Blot)

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

**WB (Western Blot)**

Western BlotPositive WB detected in Recombinant proteinAll lanes: lacZ antibody at 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, 1:64000SecondaryGoat polyclonal to Mouse IgG at 1/50000 dilutionPredicted band size: 117 kDaObserved band size: 130 kDa

ADDITIONAL INFORMATION

Product Categories/Family for anti-lacZ antibody

[Tags & Cell Markers](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	16128329
NCBI GeneID	945006
NCBI Accession #	NP_414878.1
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P00722; Q2MC80
Molecular Weight	116,483 Da
NCBI Official Full Name	beta-D-galactosidase
NCBI Official Symbol	lacZ
NCBI Official Synonym Symbols	ECK0341; JW0335
NCBI Protein Information	beta-D-galactosidase
UniProt Protein Name	Beta-galactosidase
UniProt Gene Name	lacZ
UniProt Synonym Gene Names	Beta-gal
UniProt Entry Name	BGAL_ECOLI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/lacZ-antibody-flow-cytometry-immunoprecipitation-immunofluorescence-western-blot-elisa/243697>