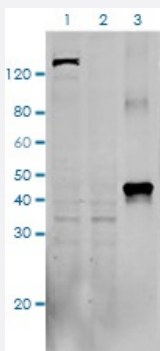


SpCas9 Monoclonal Antibody, clone 4A1

Catalog # MAB233322 Size 40 ug

Applications



Western Blot (Transfected lysate)

Western blot of HEK293 transfected with PX458 (pSpCas9(BB)-2A-GFP) or untransfected cell lysates with SpCas9 Monoclonal Antibody, clone 4A1.

Lane 1: 50 ug cell lysate of HEK293 transfected with PX458

Lane 2: 50 ug untransfected HEK293 cell lysate

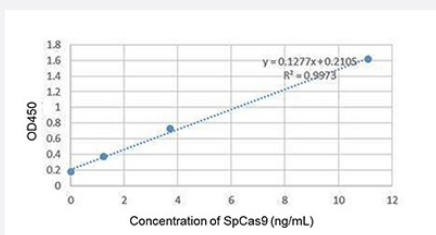
Lane 3: 40 ug SpCas9 recombinant protein

Primary Antibody:

SpCas9 Monoclonal Antibody, clone 4A1 1 ug/mL

Secondary Antibody:

Goat anti-Mouse IgG (H&L) [IRDye800] 0.125 ug/mL



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns.

A standard curve should be generated each time the assay is performed.

In this ELISA assay, SpCas9 Monoclonal Antibody was labeled with Biotin. The sensitivity is <1 ng/mL and the detection range is 0-10 ng/mL.

Specification

Product Description	Mouse monoclonal antibody raised against <i>Streptococcus pyogenes</i> Cas9.
Immunogen	Recombinant protein corresponding to <i>Staphylococcus pyogenes</i> Cas9.
Host	Mouse
Reactivity	<i>Streptococcus pyogenes</i>
Specificity	This antibody reacts to spCas9.

Form	Lyophilized
Purification	Protein A affinity purification
Isotype	IgG2a Kappa
Quality Control Testing	<p>Standard Curve</p> <p>The standard curve is for the purpose of illustration only and should not be used to calculate unknowns.</p> <p>A standard curve should be generated each time the assay is performed.</p> <p>In this ELISA assay, SpCas9 Monoclonal Antibody was labeled with Biotin. The sensitivity is <1 ng/mL and the detection range is 0-10 ng/mL.</p>
Recommend Usage	<p>ELISA (0.01-1 ug/mL)</p> <p>Immunofluorescence (0.2-1 ug/mL)</p> <p>Western Blot (0.5-2 ug/mL)</p> <p>The optimal working dilution should be determined by the end user.</p>
Storage Buffer	<p>In PBS, pH7.4 (0.02% sodium azide).</p> <p>Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/mL.</p>
Storage Instruction	<p>Store at -20°C.</p> <p>Upon reconstitution, it can be stored for up to 12 months at -20°C to -80°C.</p> <p>Aliquot to avoid repeated freezing and thawing.</p>
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot of HEK293 transfected with PX458 (pSpCas9(BB)-2A-GFP) or untransfected cell lysates with SpCas9 Monoclonal Antibody, clone 4A1.

Lane 1: 50 ug cell lysate of HEK293 transfected with PX458

Lane 2: 50 ug untransfected HEK293 cell lysate

Lane 3: 40 ug SpCas9 recombinant protein

Primary Antibody:

SpCas9 Monoclonal Antibody, clone 4A1 1 ug/mL

Secondary Antibody:

Goat anti-Mouse IgG (H&L) [IRDye800] 0.125 ug/mL

Gene Info — SPy_1046

Entrez GeneID [901176](#)

Protein Accession# [Q99ZW2](#)

Gene Name	SPy_1046
Gene Alias	-
Gene Description	hypothetical protein
Gene Ontology	Hyperlink
Other Designations	-