

## Product datasheet

# Anti-LMO4 antibody [EPR6731(2)] ab131030

Recombinant RabMAb

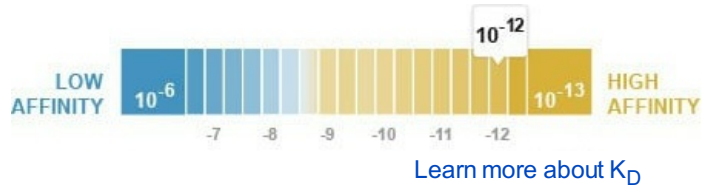
[2 References](#) [6 Images](#)

### Overview

<b>Product name</b>	Anti-LMO4 antibody [EPR6731(2)]
<b>Description</b>	Rabbit monoclonal [EPR6731(2)] to LMO4
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP <b>Unsuitable for:</b> ICC or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Synthetic peptide within Human LMO4 (C terminal). The exact sequence is proprietary.
<b>Positive control</b>	293T, Jurkat, SH-SY5Y, and NIH3T3 cell lysates, 293T cells
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p><b>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</b></p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
<b>Dissociation constant (K<sub>D</sub>)</b>	K <sub>D</sub> = 7.90 x 10 <sup>-12</sup> M



<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.13% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR6731(2)
<b>Isotype</b>	IgG

### Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab131030 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

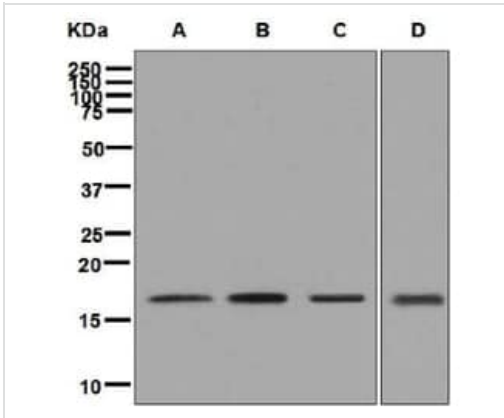
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 17 kDa.
IP		1/20 - 1/100.

**Application notes** Is unsuitable for ICC or IHC-P.

### Target

**Function** Probable transcriptional factor.  
**Sequence similarities** Contains 2 LIM zinc-binding domains.

### Images



Western blot - Anti-LMO4 antibody [EPR6731(2)]  
(ab131030)

**All lanes :** Anti-LMO4 antibody [EPR6731(2)] (ab131030) at 1/1000 dilution

**Lane 1 :** 293T cell lysate

**Lane 2 :** Jurkat cell lysate

**Lane 3 :** SH-SY5Y cell lysate

**Lane 4 :** NIH3T3 cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** HRP labelled Goat anti-Rabbit at 1/2000 dilution

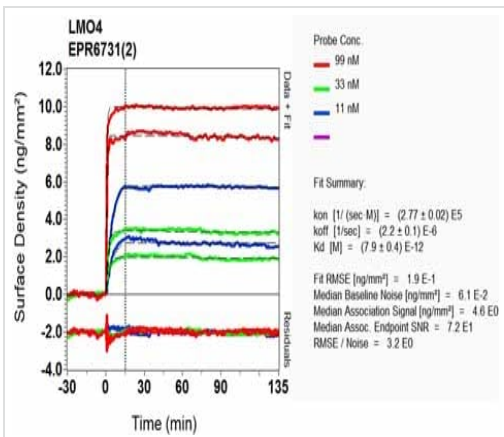
**Predicted band size:** 17 kDa

Actual band size : 17 kDa

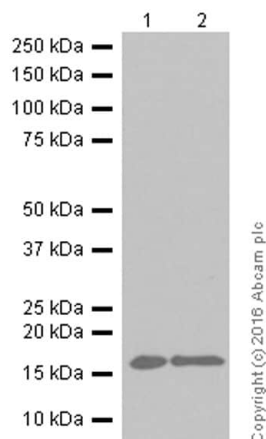
Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)



O1-RD Scanning - Anti-LMO4 antibody [EPR6731(2)]  
(ab131030)



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Western blot - Anti-LMO4 antibody [EPR6731(2)] (ab131030)

**All lanes :** Anti-LMO4 antibody [EPR6731(2)] (ab131030) at 1/1000 dilution

**Lane 1 :** 293T (human embryonic kidney) whole cell lysate

**Lane 2 :** Jurkat (human acute T cell leukemia) whole cell lysate

Lysates/proteins at 20 µg per lane.

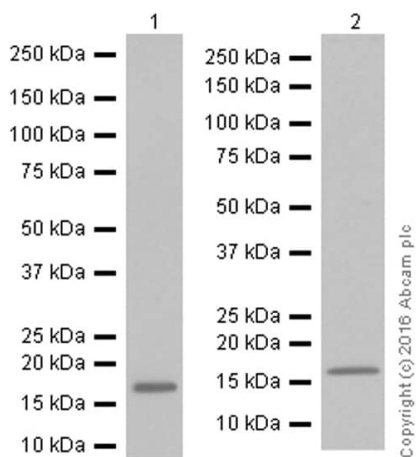
**Secondary**

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

**Predicted band size:** 17 kDa

**Observed band size:** 17 kDa

Blocking/Diluting buffer 5% NFDm/TBST



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Western blot - Anti-LMO4 antibody [EPR6731(2)] (ab131030)

**All lanes :** Anti-LMO4 antibody [EPR6731(2)] (ab131030) at 1/1000 dilution

**Lane 1 :** NIH/3T3 (mouse embryo) whole cell lysate

**Lane 2 :** Mouse cerebral cortex tissue lysate

Lysates/proteins at 15 µg per lane.

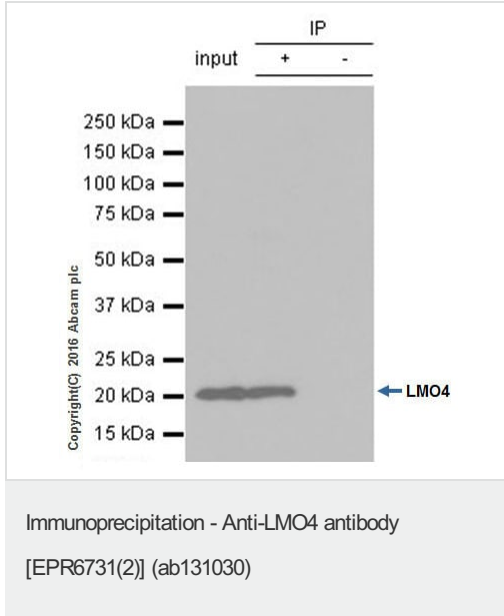
**Secondary**

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

**Predicted band size:** 17 kDa

**Observed band size:** 17 kDa

Blocking/Diluting buffer 5% NFDm/TBST



Purified ab131030 at 1/20 immunoprecipitating LMO4 in Jurkat whole cell lysate observed at 18 kDa (lanes 1 and 2).

Lane 1 (input): Jurkat whole cell lysate 10ug





Lane 2 (+): ab131030 + Jurkat whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab131030 in Jurkat whole cell lysate

VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Blocking/Diluting buffer 5% NFDm/TBST.

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-LMO4 antibody [EPR6731(2)] (ab131030)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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