

## Product datasheet

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

Recombinant RabMAb

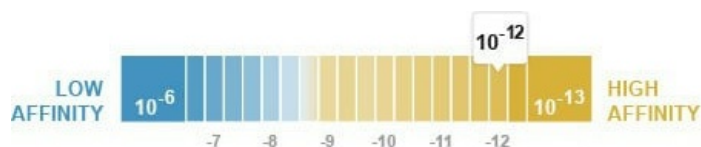
[3 References](#) [6 Images](#)

### 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/IF 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>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



## Learn more about K<sub>D</sub>

<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.

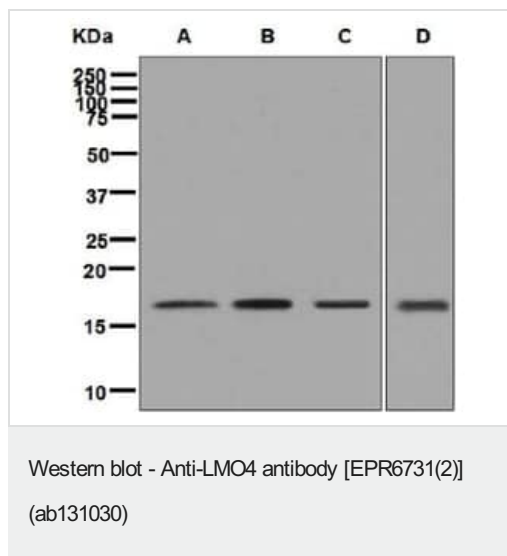
**Application notes** Is unsuitable for ICC/IF or IHC-P.

## Target

**Function** Probable transcriptional factor.

**Sequence similarities** Contains 2 LIM zinc-binding domains.

## Images



**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

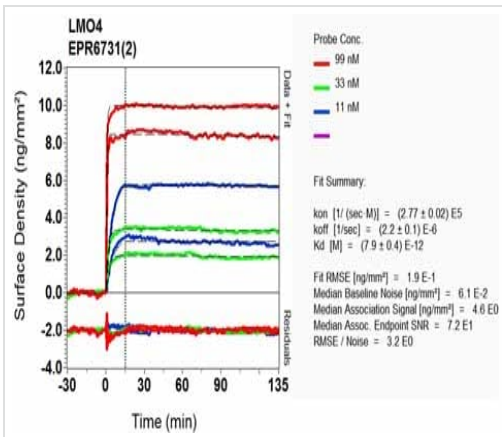
**Predicted band size:** 17 kDa

Actual band size : 17 kDa

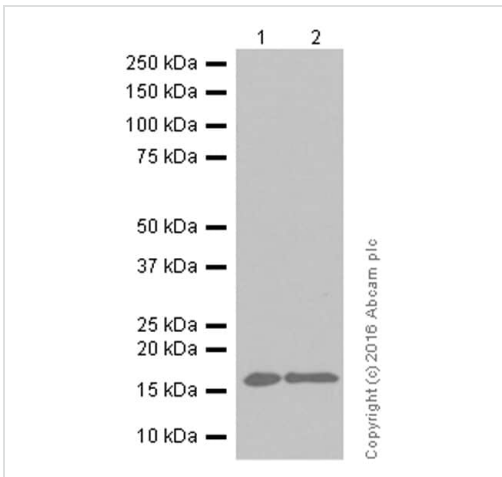
Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

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



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



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  $\mu$ g per lane.

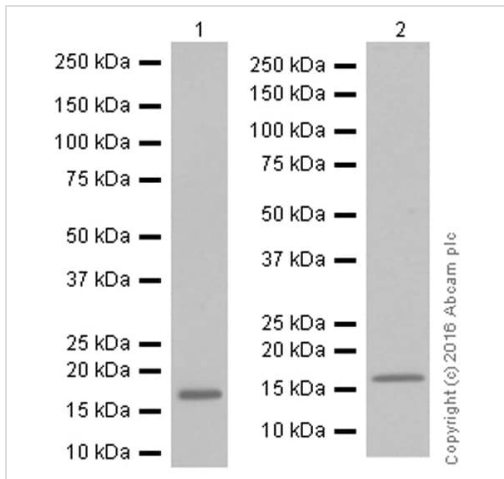
**Secondary**

**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



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 embryonic fibroblast cell line) 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% NFD/MTBST

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

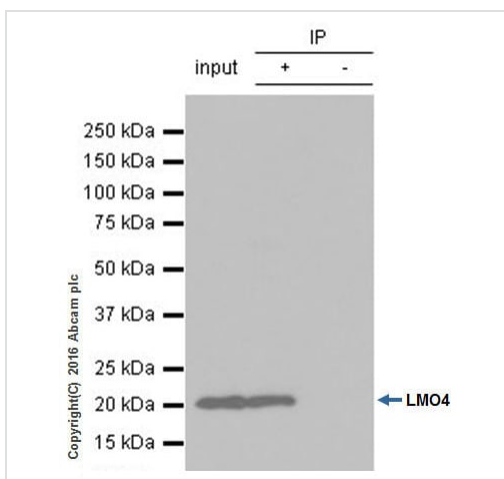
Lane 1 (input): Jurkat whole cell lysate 10ug

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% NFD/MTBST.



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

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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