

Product datasheet

Anti-IL-12A antibody [EPR5736] ab133751

Recombinant RabMAb

[2 References](#) [4 Images](#)

Overview

Product name	Anti-IL-12A antibody [EPR5736]
Description	Rabbit monoclonal [EPR5736] to IL-12A
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human IL-12A aa 50-150. Database link: P29459
Positive control	WB: HuT-78, Raji, TF-1, NIH/3T3, RAW 264.7, C6, Rat spleen, Human IL-12 recombinant protein, Human IL-12 recombinant protein, and Human IL-12 recombinant protein lysates.

General notes

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

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.

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and

species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

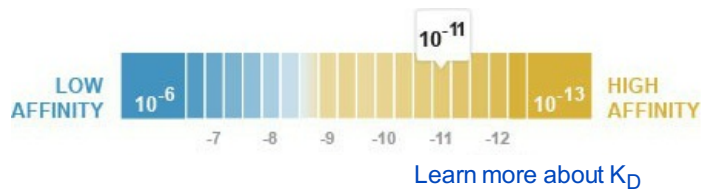
We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Dissociation constant (K_D)	K _D = 5.50 x 10 ⁻¹¹ M



Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5736
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab133751** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

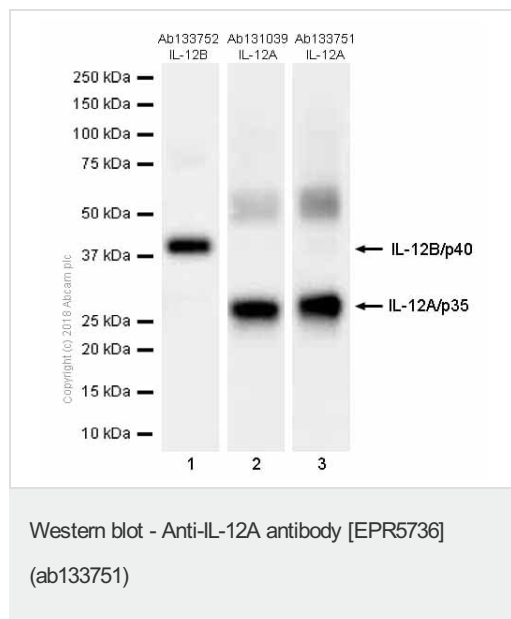
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 35 kDa (predicted molecular weight: 25 kDa).

Application notes	Is unsuitable for IP.
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Target

Function	Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated Killer cells, and stimulate the production of IFN-gamma by resting PBMC.
Sequence similarities	Belongs to the IL-6 superfamily.
Cellular localization	Secreted.

Images



All lanes : Anti-IL-12A antibody [EPR5736] (ab133751) at 1/1000 dilution (Purified)

All lanes : Human IL-12 recombinant protein

Secondary

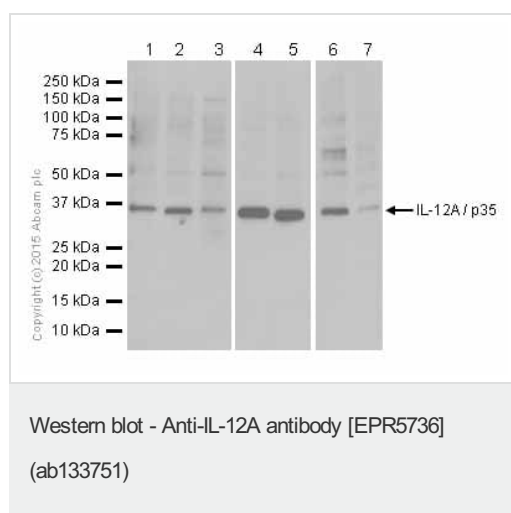
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 25 kDa

Observed band size: 29 kDa

[why is the actual band size different from the predicted?](#)

The recombinant protein contains Human IL-12B (Ile23-Ser328) and Human IL-12A (Arg23-Ser219) connected by disulfide bond to be heterodimer. Under reducing conditions, the observed bands will be at 40 KD for IL-12B and 29 KD for IL-12A.



All lanes : Anti-IL-12A antibody [EPR5736] (ab133751) at 1/1000 dilution (Purified)

Lane 1 : HuT-78 (Human Sezary syndrome cutaneous T lymphocyte) whole cell lysates

Lane 2 : Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysates

Lane 3 : TF-1 (Human Erythroleukemia erythroblast) whole cell lysates

Lane 4 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysates

Lane 5 : RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysates

Lane 6 : C6 (Rat glial tumor glial cell) whole cell lysates

Lane 7 : Rat spleen lysates

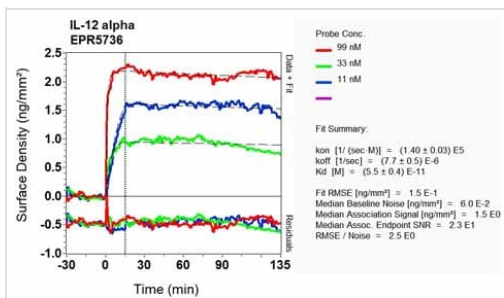
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 25 kDa

Observed band size: 35 kDa [why is the actual band size different from the predicted?](#)



SPR Scanning - Anti-IL-12A antibody [EPR5736]
(ab133751)

Equilibrium dissociation constant (K_D)

Learn more about K_D

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

Why choose a recombinant antibody?

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

Anti-IL-12A antibody [EPR5736] (ab133751)

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

Our Promise to you: Quality guaranteed and expert technical support

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- Response to your inquiry within 24 hours

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- We investigate all quality concerns to ensure our products perform to the highest standards

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