

# IBA1 Recombinant Rabbit Monoclonal Antibody (145)

## Product Details

Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	145
Conjugate	Unconjugated
Immunogen	Recombinant Human IBA1/AIF1 Protein (Met1-Pro147)
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2784951

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
ELISA (ELISA)	1:5,000-1:10,000	-
Immunoprecipitation (IP)	1-4 µL/mg of lysate	-

## Product Specific Information

This product is preservative free. It is recommended to add sodium azide to avoid contamination (final concentration 0.05%-0.1%).

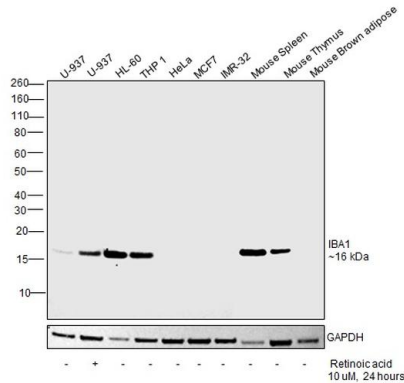
Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

This antibody has specificity for Human IBA1/AIF1.

Product Images For IBA1 Recombinant Rabbit Monoclonal Antibody (145)

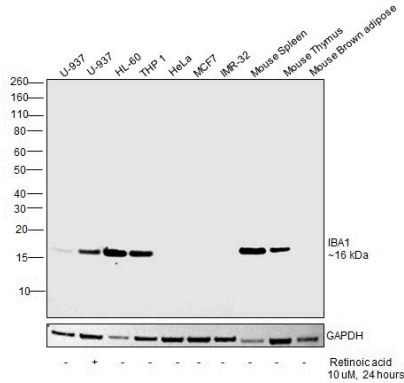
IBA1 Antibody (MA5-29013) in WB

Western blot was performed using Anti-IBA1 Recombinant Rabbit Monoclonal Antibody (145) (Product # MA5-29013) and a 16 kDa band corresponding to Allograft inflammatory factor 1 was observed across positive cell lines (THP-1 and HL-60) and positive tissues (Mouse spleen and Mouse thymus tested) tested. Also, a band was observed in U937 treated with Retinoic acid (10 uM, 24 hours) treatment, showing upregulation of IBA1. Membrane enriched extracts (30 µg lysate) of U-937 (Lane 1), U-937 treated with Retinoic acid (Lane 2), HL-60 (Lane 3), THP-1 (Lane 4), HeLa (Lane 5), MCF7 (Lane 6) and IMR-32 (Lane 7); and tissue extracts of Mouse Spleen (Lane 8), Mouse Thymus (Lane 9) and Mouse Brown Adipose (Lane 10) were electrophoresed using NuPAGE™ 12% Bis-Tris Protein Gel (Product # NP0341BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23002) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177,1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



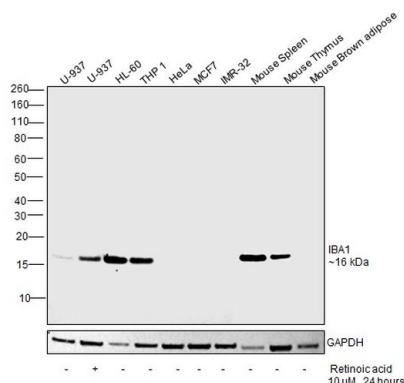
IBA1 Antibody (MA5-29013)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and tissues owing to their inherent genetic constitution. Relative expression of Allograft inflammatory factor 1 was observed in positive models HL-60 and THP 1 against HeLa, MCF7 and IMR-32; and also in positive tissues Mouse spleen and Mouse thymus against Mouse brown adipose using Anti-IBA1 Recombinant Rabbit Monoclonal Antibody (145) (Product # MA5-29013) in Western Blot. {RE}



IBA1 Antibody (MA5-29013)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using IBA1 Recombinant Rabbit Monoclonal Antibody (145) (Product #MA5-29013), shows an increased expression of the protein in U-937 cells upon Retinoic acid treatment. {TM}



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