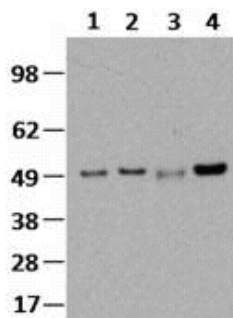


Anti-Human IRF3 Purified

Catalog Number: 14-9947

Also Known As: IRF 3, interferon regulatory factor-3

RUO: For Research Use Only



Lysates prepared from Jurkat cells (lanes 1 and 2) and PBMCs (lanes 3 and 4) under nonreducing conditions (lanes 1 and 3) or reduced with DTT (lanes 2 and 4) were resolved by SDS-PAGE then immunoblotted with 2 µg/ml of Anti-Human IRF3 Purified. Bands were visualized using Anti-Mouse IgG HRP.

Product Information

Contents: Anti-Human IRF3 Purified

REF Catalog Number: 14-9947

Clone: SL-12 (SL12)

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

This SL-12 monoclonal antibody reacts with human Interferon Regulatory Factor (IRF)-3. IRF-3 is a 427 amino acid constitutively expressed member of the IRF transcription factor family that plays a critical role in the induction of type I interferons. Inactive IRF-3 continuously transits between the cytoplasm and nucleus. Virus or dsRNA induces the C-terminal phosphorylation of IRF-3 by IKKε and TBK-1. This phosphorylation results in retention of IRF-3 in the nucleus and subsequent transcription of *IFN-β*, several interferon stimulated genes (ISGs), and other antiviral response genes.

Applications Reported

This SL-12 (SL12) antibody has been reported for use in immunoblotting (WB).

Applications Tested

This SL-12 (SL12) antibody has been tested by immunoblot of normal human peripheral blood cell lysates. This antibody can be used at less than or equal to 2 µg/ml in blocking buffer. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Hiscott J. Triggering the innate antiviral response through IRF-3 activation. *J Biol Chem.* 2007 May 25;282(21):15325-9. Review.

Melroe GT, Silva L, Schaffer PA, Knipe DM. Recruitment of activated IRF-3 and CBP/p300 to herpes simplex virus ICP0 nuclear foci: Potential role in blocking IFN-beta induction. *Virology.* 2007 Apr 10;360(2):305-21.

Lin R, Heylbroeck C, Genin P, Pitha PM, Hiscott J. Essential role of interferon regulatory factor 3 in direct activation of RANTES chemokine transcription. *Mol Cell Biol.* 1999 Feb;19(2):959-66.

Au WC, Moore PA, Lowther W, Juang YT, Pitha PM. Identification of a member of the interferon regulatory factor family that binds to the interferon-stimulated response element and activates expression of interferon-induced genes. *Proc Natl Acad Sci U S A.* 1995 Dec 5;92(25):11657-61.

Related Products

14-4714 Mouse IgG1 K Isotype Control Purified

Not for further distribution without written consent.

Copyright © 2000-2010 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com