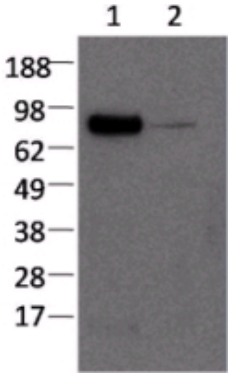
full spectrum cell analysis®
eBioscience®

Anti-Human STAT1 Purified

Catalog Number: 14-5976
RUO: For Research Use Only



Immunoblot of human peripheral blood mononuclear cell (lane 1) and mouse splenocyte (lane 2) lysates with 2 µg/ml of Anti-Human STAT1 Purified. Bands were visualized using Anti-Armenian Hamster IgG HRP.

Product Information

Contents: Anti-Human STAT1 Purified
REF Catalog Number: 14-5976
Clone: ATO-2F5
Concentration: 0.5 mg/ml
Host/Isotype: Armenian Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The ATO-2F5 monoclonal antibody reacts with human Stat-1 (Signal Transducer and Activator of transcription-1) and has shown some cross-reactivity to mouse Stat-1. Stat-1 is a ubiquitously expressed transcription factor that resides in the cytoplasm until interferon receptor signaling leads to JAK-mediated phosphorylation. Upon phosphorylation, Stat-1 dimerizes and translocates to the nucleus where it forms the ISGF3 (Interferon-Stimulated Gene Factor 3) complex with Stat-2 and IRF-9. This complex is the main transcriptional activator for interferon signaling.

Applications Reported

This ATO-2F5 antibody has been reported for use in immunoblotting (WB).

Applications Tested

This ATO-2F5 antibody has been tested by immunoblot of human peripheral blood mononuclear cells. This 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

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Marco A. Meraz, J. Michael White, Kathleen C. F. Sheehan, Erika A. Bach, Scott J. Rodig, Anand S. Dighe, Daniel H. Kaplan, Joan K. Riley, Andrew C. Greenlund, Dayle Campbell, Karen Carver-Moore, Raymond N. DuBois, Ross Clark, Michel Aguet, Robert D. Schreiber. Targeted Disruption of the Stat1 Gene in Mice Reveals Unexpected Physiologic Specificity in the JAK–STAT Signaling Pathway. Cell, Volume 84, Issue 3, 9 February 1996, Pages 431-442. (ATO-2F5, WB, Pubmed)

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Related Products

14-4888 Armenian Hamster IgG Isotype Control Purified (eBio299Arm)