

Product datasheet

HRP Anti-Interferon alpha 2b antibody [4E10] ab5258

★★★★★ 1 Abreviews 2 References

Overview

Product name	HRP Anti-Interferon alpha 2b antibody [4E10]
Description	HRP Mouse monoclonal [4E10] to Interferon alpha 2b
Host species	Mouse
Conjugation	HRP
Specificity	Recognizes both human recombinant IFN- α 2b and IFN- α 2a. Does not react with human recombinant IFN- α 5 and IFN- γ .
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human Interferon alpha 2b.

Positive control

[Purchase matching WB positive control:
Recombinant Human Interferon alpha 2b protein](#) >

General notes

Recommended ELISA procedure for human IFN alpha 2b determination: 1. Use 96-well Nunc Maxisorp plates for the assay. Coat microwells with 100 μ l/well of antibody 9D3 ([ab9386](#)) diluted to 10 μ g/ml in coating buffer (0.05 M Na-carbonate, pH 9.5). Incubate overnight at +4°C. 2. Aspirate wells and block with 150 μ l/well of blocking buffer (2% BSA in PBS). Incubate at RT for 1 h. 3. Aspirate wells and wash 3 times with PBST (0.1% Tween-20 in PBS). 4. Prepare standard and sample dilutions in PBST. Recommended IFN alpha 2b concentrations: from 100 pg/ml to 100 ng/ml. Add 100 μ l of each standard and sample into appropriate wells. Incubate at RT for 2 h. 5. Aspirate and wash 5 times with PBST. 6. Dilute detection antibody 4E10-HRP ([ab5258](#)) 1:1000 in PBST. Add 100 μ l of diluted detection antibody to each well. Incubate at RT for 1 h. 7. Aspirate and wash 10 times with PBST. 8. Add 100 μ l of substrate solution (TMB) to each well. Incubate at RT for 10-20 min. 9. Add 50 μ l of stop solution (2 N H₂SO₄) to each well. Read absorbance at 450 nm.

This product was changed from ascites to tissue culture supernatant on 28/11/2017. Lot numbers higher than GR308991-1 and GR308991-2 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. 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, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Constituents: PBS, 50% Glycerol (glycerin, glycerine), 1% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	4E10
Myeloma	NS0/1
Isotype	IgG1

Target

Function	Produced by macrophages, IFN-alpha have antiviral activities.
Sequence similarities	Belongs to the alpha/beta interferon family.
Cellular localization	Secreted.

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