Human Interferon alpha 1 Matched Antibody Pair Kit

**Product name**
Human Interferon alpha 1 Matched Antibody Pair Kit

**Detection method**
Colorimetric

**Assay type**
ELISA set

**Sensitivity**
0.64 pg/ml

**Range**
2.34 pg/ml - 150 pg/ml

**Species reactivity**
Reacts with: Human

**Product overview**
Human Interferon alpha 1 Matched Antibody Pair Kits include a capture and a biotinylated detector antibody pair, along with a calibrated protein standard, suitable for sandwich ELISA. The Matched Antibody Pair Kit can be used to quantify native and recombinant human Interferon alpha 1.

Optimization of the kit reagents to sample type, immunoassay format or instrumentation may be required. Guidelines for use of this kit in a standard 96-well microplate sandwich ELISA using HRP/TMB system of colorimetric detection is described in this assay procedure for the purposes of quantification.

Protocol information and tips on the use of the Matched Antibody Pair kits for sandwich ELISA can be found on our [website](#). An accessory pack can be purchased which includes buffer reagents required to perform 10 x 96-well plate sandwich ELISAs ([ab210905](#)).

For additional information on the performance of the antibody pair used in this kit, please see our equivalent SimpleStep ELISA kit [ab213479](#). Please note that while the antibody pair is the same provided in the corresponding SimpleStep ELISA Kit, due to differences in their formulation, this antibody pair cannot be used with the consumables provided with our SimpleStep ELISA Kits.
**Storage instructions**  
Store at -20°C. Please refer to protocols.

**Components**

<table>
<thead>
<tr>
<th>Component</th>
<th>10 x 96 tests</th>
<th>5 x 96 tests</th>
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<tbody>
<tr>
<td>Human Interferon alpha 1 Capture Antibody</td>
<td>2 x 50µg</td>
<td>1 x 50µg</td>
</tr>
<tr>
<td>Human Interferon alpha 1 Detector Antibody</td>
<td>2 x 12.5µg</td>
<td>1 x 12.5µg</td>
</tr>
<tr>
<td>Human Interferon alpha 1 Lyophilized Protein</td>
<td>2 vials</td>
<td>1 vial</td>
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**Function**  
Produced by macrophages, IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase.

**Sequence similarities**  
Belongs to the alpha/beta interferon family.

**Cellular localization**  
Secreted.

**Applications**

**The Abpromise guarantee**  
Our Abpromise guarantee covers the use of ab215408 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>IA</td>
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<td>Use at an assay dependent concentration.</td>
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<tr>
<td>ELISA</td>
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<td>Use at an assay dependent concentration.</td>
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**Images**

Standard calibration curve. Background subtracted values are graphed.

Human Interferon alpha 1 standard curve.
Sandwich ELISA - Human Interferon alpha 1
Matched Antibody Pair Kit (ab215408)

To learn more about the advantages of recombinant antibodies see here.

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

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