

## Product datasheet

# Recombinant mouse IL13 protein ab51919

### Overview

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<b>Product name</b>	Recombinant mouse IL13 protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli

### Amino Acid Sequence

<b>Species</b>	Mouse
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### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab51919** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Biological activity</b>	The ED <sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of TF-1 cells was < 4.0 ng/ml, corresponding to a specific activity of > 2.5 x 10 <sup>5</sup> units/mg.
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<b>Applications</b>	Functional Studies SDS-PAGE
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<b>Purity</b>	> 95 % SDS-PAGE. >98% by SDS-PAGE and HPLC analysis.
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<b>Form</b>	Lyophilised
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<b>Additional notes</b>	The reconstituted solution can be diluted into other aqueous buffers and stored at 4°C for 1 week or at -20°C for future use.
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### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 10mM Sodium citrate, pH 4.0 Endotoxin level is <0.1 ng per µg of IL-13. This product is an active protein and may elicit a biological response in vivo, handle with caution.
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**Reconstitution** Centrifuge the vial prior to opening. Reconstitute in sterile distilled water to a concentration of 0.1-1.0 µg/µl (Note: Slow to dissolve).

## General Info

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**Function** Cytokine (PubMed:8096327, PubMed:8097324). Inhibits inflammatory cytokine production (PubMed:8096327). Synergizes with IL2 in regulating interferon-gamma synthesis (PubMed:8096327). May be critical in regulating inflammatory and immune responses (PubMed:8096327, PubMed:8097324). Positively regulates IL31RA expression in macrophages.

**Involvement in disease** Allergic rhinitis

**Sequence similarities** Belongs to the IL-4/IL-13 family.

**Cellular localization** Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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