

Datasheet: AHP1286

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|----------------------|------------------------------|
| Description: | RABBIT ANTI HUMAN TSLP |
| Specificity: | TSLP |
| Other names: | THYMIC STROMAL LYMPHOPOIETIN |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 0.1 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|--------------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin (1) | ▪ | | | |
| ELISA | ▪ | | | 0.5 - 2.0ug/ml |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | 0.1 - 0.2ug/ml |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

| | |
|---------------------------------------|---|
| Target Species | Human |
| Product Form | Purified IgG - lyophilised |
| Reconstitution | Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. |
| Antiserum Preparation | Antisera to human TSLP were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography. |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | None present |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml |

Immunogen Recombinant human TSLP.

External Database Links

UniProt:

[Q969D9](#) [Related reagents](#)

Entrez Gene:

[85480](#) TSLP [Related reagents](#)

Specificity

Rabbit anti Human TSLP antibody recognizes human TSLP (thymic stromal lymphopoietin), a 132 amino acid secreted haemopoietic cytokine which shares biological properties with interleukin-7 (IL-7), including involvement in B-cell development, and the activation and phosphorylation of STAT3 and STAT5.

TSLP is expressed in the heart, liver and prostate and functions through binding to a receptor complex consisting of the TSLPR (thymic stromal lymphopoietin receptor) and the IL-7R alpha chain. Properties attributed to TSLP include the induction of monocytes to release T cell-attracting chemokines, enhancing the maturation of CD11c(+) dendritic cells and their ability to stimulate T cells, and strong evidence suggests that TSLP plays a pivotal role in allergic immune responses.

Further Reading

1. Liu, Y.J. *et al.* (2007) TSLP: an epithelial cell cytokine that regulates T cell differentiation by conditioning dendritic cell maturation. [Annu Rev Immunol. 25: 193-219.](#)

Storage

Prior to reconstitution store at +4°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of reconstitution.

Health And Safety Information

Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),
[DyLight@680](#), [DyLight@800](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)
[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com
'M294506:161004'

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

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