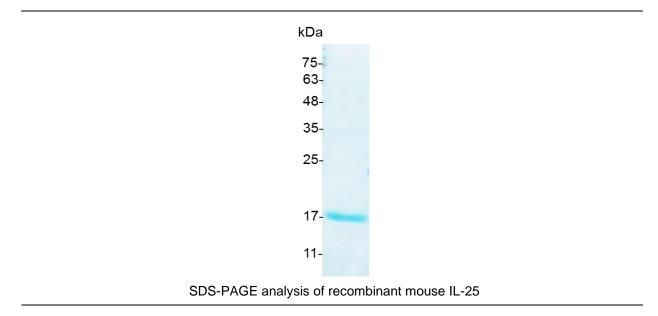


## IL-25 (Interleukin-25), Mouse

v. 231101

| Catalog number      | C02029-5UG / C02029-20UG / C02029-100UG   |
|---------------------|---|
| Package             | 5 µg / 20 µg / 100 µg   |
| Description         | Interleukin-25 (IL-25) is a cytokine that shares sequence similarity with interleukin 17. This cytokine can induce NF-kappaB activation, and stimulate the production of interleukin 8. Both this cytokine and interleukin 17B are ligands for the cytokine receptor IL17BR. IL-25 is a member of the IL-17 family of cytokines. However, unlike the other members of this family, IL-25 promotes T helper (Th) 2 responses. IL-25 also regulates the development of autoimmune inflammation mediated by IL-17–producing T cells. IL-25 and IL-17, being members of the same cytokine family, play opposing roles in the pathogenesis of organ-specific autoimmunity. |
| Source              | Escherichia coli  |
| Sequence            | MVSLRIQEGCSHLPSCCPSKEQEPPEEWLKWSSASVSPPEPLSHTHHAESCR<br>ASKDGPLNSRAISPWSYELDRDLNRVPQDLYHARCLCPHCVSLQTGSHMDPL<br>GNSVPLYHNQTVFYRRPCHGEEGTHRRYCLERRLYRVSLACVCVRPRVMA<br>with polyhistidine tag at the C-terminus  |
| Endotoxin level     | <0.1 EU per 1 $\mu$ g of the protein by the LAL method.   |
| Activity            | Measured by its ability to induce CXCL1 secretion in HT-29 cells. The ED $_{50}$ for this effect is <1 ng/mL.   |
| Purity              | >98% as determined by SDS-PAGE.   |
| Form                | Lyophilized   |
| Storage Buffer      | Lyophilized from a 0.2 $\mu$ m filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 4.5.  |
| Reconstitution      | It is recommended to reconstitute the lyophilized protein in sterile $H_2O$ to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.   |
| Stability & Storage | <ul> <li>This product is stable after storage at:</li> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> <li>Avoid repeated freeze/thaw cycles.</li> </ul>   |





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