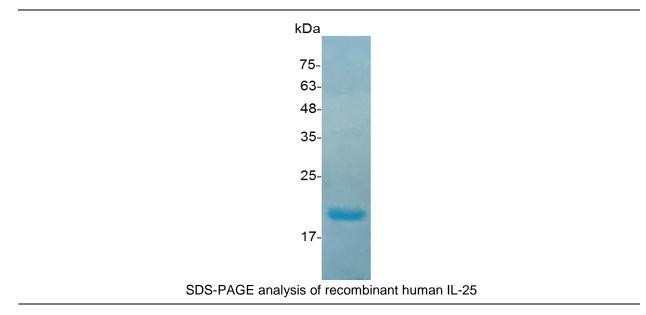


IL-25 (Interleukin-25), Human

v. 231001

| Catalog number | C01030-5UG / C01030-20UG / C01030-100UG |
|---------------------|---|
| 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 | MYSHWPSCCPSKGQDTSEELLRWSTVPVPPLEPARPNRHPESCRASEDGPLN SRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLQTGSHMDPRGNSELLYH NQTVFYRRPCHGEKGTHKGYCLERRLYRVSLACVCVRPRVMG with polyhistidine tag at the C-terminus |
| Endotoxin level | <0.1 EU per 1 μ g of the protein by the LAL method. |
| Activity | Measure by its ability to induce IL-8 secretion in human PBMCs. The ED ₅₀ for this effect is <5 ng/mL. Measure by its ability to induce CXCL1 secretion in HT29 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 µm filtered solution of PBS, pH 8.0. |
| Reconstitution | It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. |
| Stability & Storage | This product is stable after storage at: -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles. |
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For research use only.