

Antibody Datasheet

OVERVIEW AND PROPERTIES

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| Product Name | PtX™ Human Anti-Interleukin-2 (1F90) Recombinant Antibody |
| Catalogue Number | CBT_A0045 |
| Expression Host | <i>Nicotiana benthamiana</i> plants |
| Clonality | Monoclonal, recombinant |
| Species and Isotype | Human IgG1 |
| Tag | None |
| Reporter Protein | None |
| Description | This product is a full-length Human IgG1 recombinant antibody specific to Interleukin-2 (IL-2). It was produced in <i>Nicotiana benthamiana</i> plants via <i>Agrobacterium tumefaciens</i> -mediated infiltration. |
| Target Name | Interleukin 2 (IL-2) |
| Verified Applications | Western blot, ELISA |
| Dilution Range | Western blot (1: 500 – 1: 1 000) ELISA (1: 375 – 1: 48 000) |
| Tested Species Reactivity | Human |
| Concentration | 1.0 mg/ml |
| Form | Liquid |
| Colour | Clear |
| Preparation | Ready to use |
| Storage | Short term (up to one week): 2 – 8 °C Long term: Aliquot and store at – 20 °C Store immediately. Aliquot and avoid multiple freeze thaw cycles. |
| Storage Buffer | 0.1 M Phosphate Buffered Saline, pH 7.4 Preservative: None |
| Purification Notes | This product was purified using Protein A- affinity chromatography. |
| Purity | ≥ 95 % as determined by SDS-PAGE |
| General Notes | If for any reason the product does not perform as specified, please contact our scientific support team for assistance by emailing techsupport@capebiologix.com . For Research Use only, unless otherwise indicated. |

IMAGES

PtX™ Human Anti-IL-2 (1F90) ELISA Dose Response

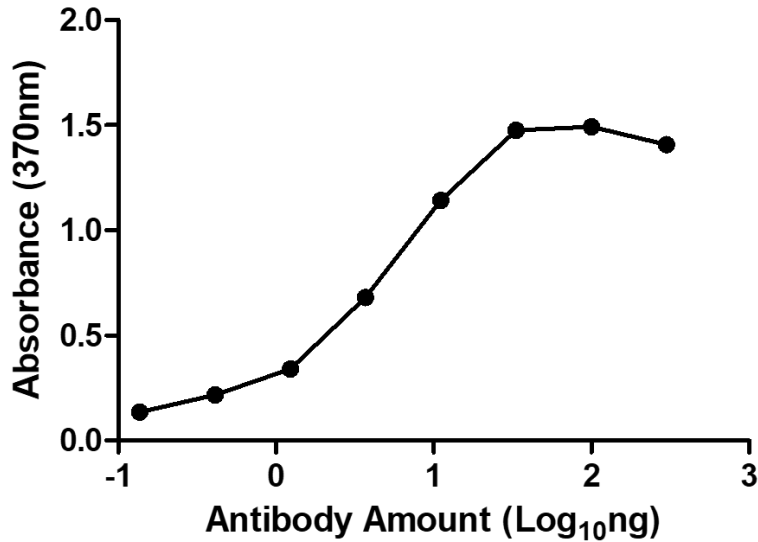


Figure 1. ELISA Dose Response curve using PtX™ Human Anti-IL-2 (1F90) antibody from 3 – 0.00137 ng/μl to detect 25 ng Human Interleukin-2 protein. Experiments were performed in triplicate, with error bars representing standard deviation (SD).

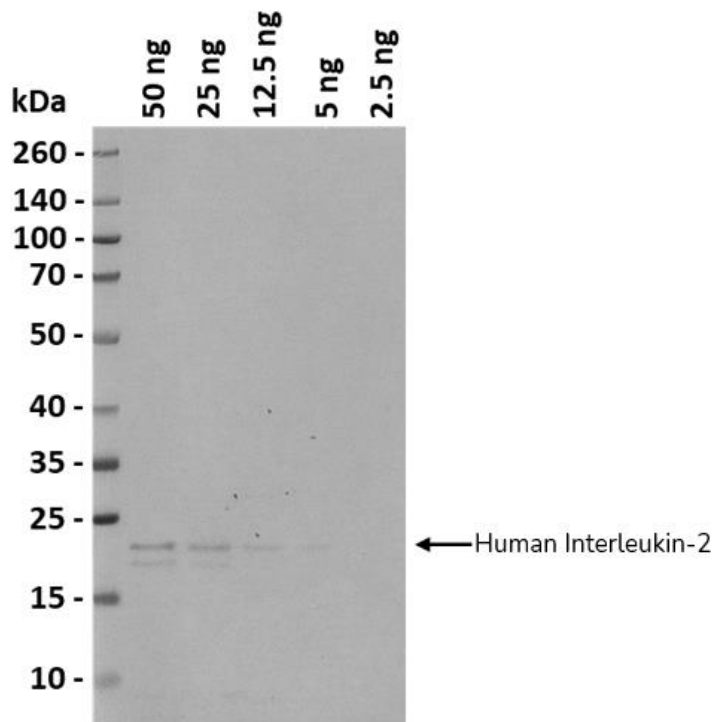


Figure 2. Western blot of decreasing amounts of Human Interleukin-2 protein (18.4 and 16.6 kDa) detected with PtX™ Human Anti-IL-2 (1F90) antibody at a 1: 500 dilution and an HRP conjugated anti-human secondary antibody at 1: 10 000.