RECOMBINANT CHICKEN IL-4

Catalog Number (Quantity): RP0110C-005 (5 µg)  
                      RP0110C-025 (25 µg)  
                      RP0110C-100 (100 µg)

Source: Yeast

Formulation: Lyophilized without carrier protein.

Reconstitution: Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

Stability and Storage: Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

Molecular Weight: 12.4 kDa (calculated)

Purity: >85% as visualized by SDS-PAGE analysis.

Purification: Ion-exchange chromatography

Entrez Gene ID: 416330

Amino Acid Sequence: LQLSVPLMES IRIVDIQGE VSCVKNVTD IFADNKTNNK TELLCKASTI VNESQHCHKN LQGLFLNMRQ LLNASSTSLK APCPTAAGNT TSMEKFLADL RTFFHQLAKN K (111)

Amino Acid Homology: Gallus gallus (chicken) IL-4 – 100%  
                      Gallus lafayetii (Ceylon junglefowl) IL-4 – 100%  
                      Gallus sonneratii (gray junglefowl) IL-4 – 100%


Bioactivity: Biological activity of recombinant Chicken IL-4 was determined in a cell proliferation assay using peripheral blood lymphocytes from two week-old chickens. Bioactivity was detected in a dose dependant manner from 1 ng/mL to 125 ng/mL recombinant Chicken IL-4.

Country of Origin: USA

Support: Generation of this material is based upon work supported by the Cooperative State Research, Extension, Education Services (CSREES), USDA under project #0206006 US-Veterinary Immune Reagent Network.

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