RECOMBINANT CHICKEN IL-10

Catalog Number (Quantity): RP0018C-005 (5 µg)
RP0018C-025 (25 µg)
RP0018C-100 (100 µg)

Source: Yeast
Formulation: Lyophilized without a 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: 18.3 kDa (calculated)
Purity: >95% as visualized by SDS-PAGE analysis.
Purification: Ion-exchange chromatography
Entrez Gene ID: 428264
Amino Acid Sequence: LEPTCLHFSE LLPARLREL VKFEEIKDYF QSRDDELNIQ LLSSELLDEF KGTFGCSVS EMLRFYTEDV LPRAMQTSTS HQQSMGDLGN MLLGLKATMR RCHRFFTCEK RSKAIKQIKE TFERMDENGI YKAMGEFDIF INYIEEYLLM RRRK (154)
Amino Acid Homology: Coturnix japonica (Japanese quail) IL-10 – 98%
Bioactivity: The biological activity of recombinant chicken IL-10 was determined by measuring IFN-gamma expression by RTPCR in Concanavalin A-stimulated chicken spleen lymphocytes. Results demonstrate decreased IFN-gamma gene expression, with the addition of recombinant chicken IL-10, in a dose-dependant manner, with doses starting at 2 ng/mL.
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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