HumanKine™ IL-10

PRIMORIGEN

Prod. No. S2324-10UG

lot #: PRIXXXXXX XXXX

Orders 866 372-7442

For Research Use Only Not intended for use in humans or animals & Support

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Pack Size 10 µg Human **Species Expression System** HEK 293* Animal-derived product free 17 kDa non-disulfide bonded **Molecular Mass** homodimer, glycosylated Typically 0.3 to 1.5 ng/mL **Activity**

Purity ≥ 95% **Endotoxin** ≤ 1 EU/µg Background:

Recombinant human IL-10 expressed in engineered human cells. IL-10 is a 17 kDa glycosylated non-disulfide linked homodimer and belongs to the IL -10 protein family. IL-10 inhibits the synthesis of a number of cytokines including IFNgamma, IL-2, IL-3, TNF and GM-CSF. IL-10 is a potent and specific chemoattractant for human T-lymphocytes towards CD8+ but not CD4+ cells. IL-10 has been shown also to be an antagonist of IL-12 and to inhibit the secretion of TNF-alpha. IL-10 stimulates the proliferation of mast cells after parasitic infection and functions as a cytotoxic T-cell differentiation factor as well as promotes B-cell viability and differentiation.

Note: Representative data are shown below (not Lot-specific).

Formulation:

Lyophilized in 10mM Tris-HCl pH 7.4, 150mM NaCl.

Reconstitution:

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

Storage and Stability:

Lyophilized products are stable for one year at -20°C to -80°C from date of receipt. Store only at -20°C to -80°C in working aliquots. Avoid repeated freeze-thaw

cycles.

Quality Control Testing

Assav:

The specific activity was determined by the dosedependent inhibition of proliferation of MC/9 cells (mouse mast cell line) in the presence of 200 pg/mL IL-4.

Purity Confirmation:

The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

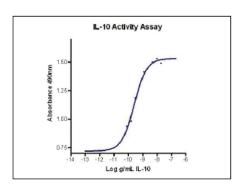
References:

Thompson-SnipesL., et al (1991) J. Exp Med. 173, 507 -510

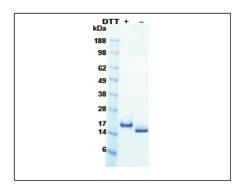
Syto, R., et al (1998) Biochemistry 37, 16943-16951

*All HumanKine™ cytokines are expressed in HEK 293 cells. HumanKine™ is a trademark of HumanZyme Inc.

A. Activity Assay



B. SDS-PAGE



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