



Recombinant Protein Technical Manual

Recombinant Mouse Interleukin1/IL1 Protein (Fc Tag)

RPES1455

Product Data:

Product SKU: RPES1455

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: P47873

Protein Information:

Molecular Mass: 46.3 kDa

AP Molecular Mass: 50-60 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Interleukin1;Il11;IL1

Immunogen Information:

Sequence: Pro22-Leu199

Background:

Interleukin1(IL1) is a secreted protein and belongs to the IL-6 superfamily. IL1 has been demonstrated to improve platelet recovery after chemotherapy-induced thrombocytopenia, induce acute phase proteins, modulate antigen-antibody responses, participate in the regulation of bone cell proliferation and differentiation and could be used as a therapeutic for osteoporosis. IL1 stimulates the growth of certain lymphocytes and, in the murine model, stimulates an increase in the cortical thickness and strength of long bones. In addition to having lymphopoietic/hematopoietic and osteotrophic properties, it has functions in many other tissues, including the brain, gut, testis and bone.