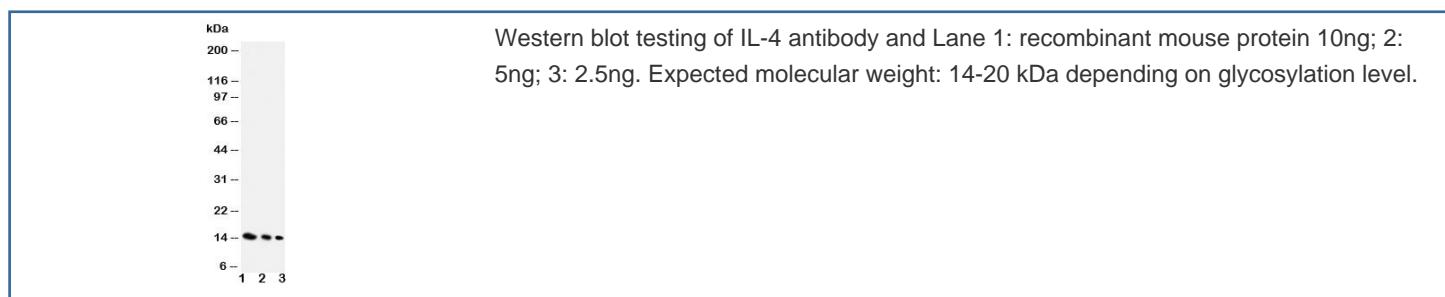


IL-4 Antibody (R30605)

| Catalog No. | Formulation | Size |
|-------------|-------------------------------------------------------|--------|
| R30605 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

Bulk quote request

| | |
|--------------------|--------------------------------------------------------------------------|
| Availability | 1-3 business days |
| Species Reactivity | Mouse |
| Format | Antigen affinity purified |
| Host | Rabbit |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity |
| Buffer | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal |
| UniProt | P07750 |
| Applications | Western Blot : 0.5-1ug/ml |
| Limitations | This IL-4 antibody is available for research use only. |



Description

Interleukin-4, also known as a B-cell stimulatory factor 1 (BSF1), is an immunomodulatory cytokine, which can inhibit the growth of tumour cells. The human cDNA contains a single open reading frame encoding a protein of 153 amino acids, including a putative signal peptide. It may act as an autocrine growth factor in pancreatic cancer cells and also give rise to the possibility that cancer-derived IL-4 may suppress cancer-directed immunosurveillance in vivo, in addition to its growth-promoting effects, thereby facilitating pancreatic tumor growth and metastasis. The mouse and human genes and their protein products show structural and functional similarities. The human gene, which occurs as a single copy in the haploid genome, is mapped on chromosome 5.2

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IL-4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of mouse IL-4 (SLKDFLESLKSIMQMDYS) was used as the immunogen for this IL-4 antibody.

Storage

After reconstitution, the IL-4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.