

## Product datasheet for **SP1250**

### IL6 Rabbit Polyclonal Antibody

#### Product data:

Product Type: Primary Antibodies

Applications: ELISA, WB

Recommended Dilution: **ELISA:** 1/500

The antibody may be used in a Sandwich ELISA as a Detection reagent for ovine IL-6, in combination with SM481 as a Capture antibody.

It is recommended that SP1250 and any detection antibody are diluted in 10% normal mouse serum prior to use in ELISA.

#### **Western Blot.**

Reactivity: Sheep

Host: Rabbit

Clonality: Polyclonal

Immunogen: Recombinant IL-6

Specificity: Recognizes Ovine interleukin-6 (IL-6).

No cross-reactivity is seen with Ovine IL-1 beta, IL-8, MCP or TNF alpha.

Formulation: PBS containing 0.09% Sodium Azide as preservative.

State: Serum

State: Liquid Diluted Serum

Conjugation: Unconjugated

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Database Link: [P29455](#)



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**Background:**

Interleukin 6 (IL6) is a multifunctional 24 kDa protein originally discovered in the medium of RNA stimulated fibroblastoid cells. It is upregulated by IL1, TNF, PDGF, IFN beta, TNF alpha, NGF, IL17 and downregulated by glucocorticoids IL4, TGF beta. IL6 appears to be directly involved in the responses that occur after infection and cellular injury, and it may prove to be as important as IL1 and TNF alpha in regulating the acute phase response. IL6 has also been implicated in regulating adipose mass.

IL6 is reported to be produced by fibroblasts, activated T cells, activated monocytes or macrophages and endothelial cells. It acts upon a variety of cells including fibroblasts, myeloid progenitor cells, T cells, B cells and hepatocytes. In addition, IL6 appears to interact with IL2 in the proliferation of T lymphocytes. IL6 potentiates the proliferative effect of IL3 on multipotential hematopoietic progenitors.

**Synonyms:**

IL-6, Interferon beta-2, IFNB2, B-cell stimulatory factor 2, BSF-2, CDF

**Note:**

**Antiserum Preparation:** Antisera to ovine IL-6 were raised by repeated immunisation of rabbits with highly purified antigen.