

## Product datasheet for **AP26368PU-N**

### IL6 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	<b>Immunassays.</b> <b>Western blot:</b> The typical starting working dilution is 1/10. <b>Functional assays:</b> Before use in biological assays, the product must be filter sterilized and depending on the concentration to be used dialyzed against culture medium to remove the sodium azide added.
Reactivity:	Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Specificity:	The antibody reacts with natural and recombinant mouse interleukin 6 (IL-6) as assessed by ELISA. The antibody inhibits the biological activity of natural and recombinant Mouse IL-6 as determined with the B9 cell bio-assay. The antibody cross-reacts with natural Rat IL-6.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 6
Database Link:	<a href="#">Entrez Gene 16193 Mouse P08505</a>



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**Background:**

IL-6 is a pluripotent 20-22 kDa cytokine which plays a role in the pathophysiology of severe infection and regulates the immune response, acute phase reaction and hematopoiesis. IL-6 plays a critical role in B-cell differentiation to plasma cells and is a potent growth factor for plasmacytoma and myeloma. Continuous IL-6 gene expression makes an essential contribution to a multistep oncogenesis of plasma cell neoplasia. IL-6 is a very useful culture supplement for the generation of a high number of antibody-producing hybridomas.

**Synonyms:**

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