

## Anti-IL-6 Antibody

**CATALOG NO:** A1398-500

**AMOUNT:** 500 µg

**ALTRERNATE NAMES:** Interleukin-6, B-cell stimulatory factor 2, BSF-2, CTL differentiation factor, CDF, Hybridoma growth factor, Interferon beta-2, IFN-beta-2

**IMMUNOGEN:** Human IL-6

**CLONALITY:** Monoclonal

**HOST/ISOTYPE:** Mouse IgG1

**PURIFICATION:** Protein G purification

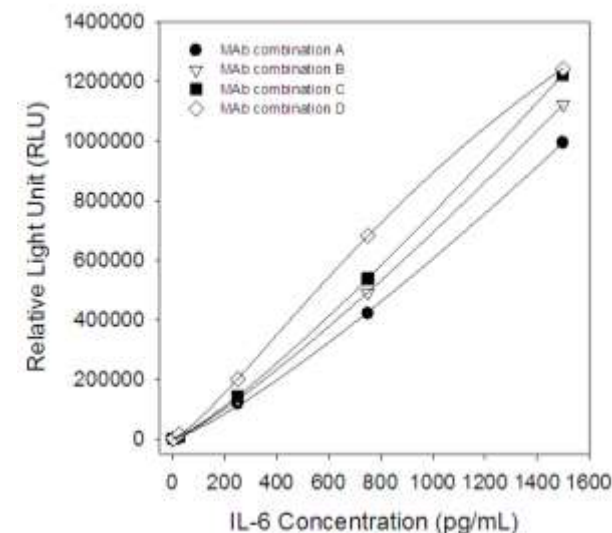
**FORM:** Liquid

**FORMULATION:** In PBS (pH 7.4)

**STORAGE CONDITIONS:** For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

**DESCRIPTION:** Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells. Involved in lymphocyte and monocyte differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Required for the generation of T(H)17 cells. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation.

**APPLICATION:** Chemiluminescence assay (CLIA)  
ELISA



**Calibration curves for IL-6 in sandwich chemiluminescence immunoassay:**

All monoclonal antibodies were tested in pairs as capture and detection antibodies to select the best combinations for the development of a quantitative sandwich immunoassay. Detection antibodies were labeled with horseradish peroxidase (HRP). The best selected antibody combinations for the development of quantitative human IL-6 immunoassays are (capture-detection respectively):

	Capture	Detection
<b>Monoclonal Antibody combination A</b>	A1395	A1398
<b>Monoclonal Antibody combination B</b>	A1396	A1398
<b>Monoclonal Antibody combination C</b>	A1397	A1398
<b>Monoclonal Antibody combination D</b>	A1398	A1396

**RELATED PRODUCTS:**

- Anti-IL-6 Antibody (Cat. No. A1395)
- Anti-IL-6 Antibody (Cat. No. A1396)
- Anti-IL-6 Antibody (Cat. No. A1397)

**FOR RESEARCH USE ONLY! Not to be used on humans.**

