

## Monoclonal antibody anti-human IL-6

**Description:** Produced in BALB/c mice using highly pure (>98%) recombinant human IL-6 as the immunizing antigen. This IgG1k antibody was purified from cell culture by Protein A affinity chromatography.

**Host species:** Mice

**Antigen:** Recombinant human IL-6

**Purification:** Protein A chromatography

**Stabilizer:** none

**Buffer:** PBS

**Formulation:** lyophilized

**Reconstitution:** When reconstituted in sterile water to a concentration of 1.0 mg/ml.

**Storage/Stability:** The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. The antibody is stable for at least six weeks at 2-4°C. **Avoid repeated freeze-thaw cycles.**

**Applications:**

**Neutralisation:** N/A

**Sandwich ELISA:** In a sandwich ELISA (assuming 100 µl/well), a concentration of 4.0-8.0 µg/ml of this antibody will detect at least 500 pg/ml of recombinant human IL-6 when used with biotinylated antigen affinity purified anti-human IL-6 as the detection antibody at a concentration of approximately 0.5-1.0 µg/ml.

**Western Blot:** To detect hIL-6 by Western Blot analysis this antibody can be used at a concentration of 0.20-0.40 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-6: is 0.5-1.0 ng/lane, under reducing or non-reducing conditions.

**Immunohistochemistry:** This antibody stained formalin-fixed, paraffin-embedded sections of human cervical squamous cell carcinoma. The recommended concentration is 0.125 µg/ml, with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with DAB chromogen.

Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended. Optimal concentrations and conditions may vary. *Tissue samples were provided by the Cooperative Human Tissue Network, which is funded by the National Cancer Institute.*

**Usage:** Anti human IL-6 is offered for research use. Not for drug use. **Not for human use.**

**Catalogue number:** CYT-26576      **Size:** 500 µg

\*\* please note: always centrifuge vials before opening \*\*

***For Research Use Only***

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