

Mouse IL-6 Polyclonal Antibody

Catalog No.: PS014

Quantity: 1 ml

Specificity

The antibody reacts with natural and recombinant mouse 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. Interleukin 6 (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.

Use

The antibody is useful for inhibition of mouse and rat IL-6 in bioassays. Furthermore, the antibody is useful for staining of IL-6 in western blots. 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. Dilutions have to be made according to the amount of IL-6 to be inactivated. For western blots the material should be diluted 20 times.

Presentation

1 ml (100 µg/ml) purified antibody solution in PBS, containing 0.02% sodium azide and 0.1% BSA.

FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.



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