Novocastra™ Liquid Mouse Monoclonal Antibody Interleukin 6

Product Code: NCL-L-IL6

Intended Use
FOR RESEARCH USE ONLY.

Specificity
Human Interleukin 6.

Clone
10C12

Ig Class
IgG2a

Antigen Used for Immunizations
A prokaryotic recombinant protein containing part of the N-terminal domain of the interleukin 6 molecule.

Hybridoma Partner
Mouse myeloma (p3-NS1-Ag4-1).

Preparation
Liquid tissue culture supernatant containing 15 mM sodium azide. Volume as indicated on vial label.

Effective on Frozen Tissue
Not evaluated.

Effective on Paraffin Wax Embedded Tissue
Yes

Recommendations on Use
Immunohistochemistry: Typical working dilution 1:50. 60 minutes primary antibody incubation at 25 °C. Standard ABC technique. Western Blotting: Not recommended.

Positive Controls
Immunohistochemistry: Colon.

Staining Pattern
Cytoplasmic.

Storage and Stability
Store liquid antibody at 4 °C. Under these conditions, there is no significant loss in product performance up to the expiry date indicated on the vial label. Prepare working dilutions on the day of use.

General Overview
Interleukin 6 (IL6) is a multifunctional cytokine that is secreted by both lymphoid and non-lymphoid cells. It plays a key role in immune responses, hematopoiesis and is an important cytokine in cell proliferation and differentiation. IL6 has been reported to play a role in the release of pituitary hormone in pituitary hormone secreting cells. In addition, IL6 has been suggested to have a trophic effect in nerve cells.

General References