

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	Salgado R, Junius S, Benoy I, et al.. <i>International Journal of Cancer</i> . 103 (5): 642–646 (2003). Kurotani R, Yasuda M, Oyama K, et al.. <i>Modern Pathology</i> . 14 (8): 791–797 (2001). Menet E, Corbi P, Ancey C, et al.. <i>European Cytokine Network</i> . 12 (4): 639–646 (2001). Ono S, Hu J, Shimizu N, et al.. <i>Journal of the Neurological Sciences</i> . 187 (1–2): 27–34 (2001). Gado K, Domjan G, Hegyesi H, et al.. <i>Cell Biology International</i> . 24 (4): 195–209 (2000). Chung T D, Yu J J, Spiotto M T, et al.. <i>Prostate</i> . 38 (3): 199–207 (1999). Okamoto M, Lee C and Oyasu R. <i>Cancer Research</i> . 57 (1): 141–146 (1997). Twillie D A, Eisenberger M A, Carducci M A, et al.. <i>Urology</i> . 45 (3): 542–549 (1995). Siegsmund M J, Yamazaki H and Pastan I. <i>Journal of Urology</i> . 151 (5): 1396–1399 (1994). Yasukawa K, Hirano T, Watanabe Y, et al.. <i>The EMBO Journal</i> . 6 (10): 2939–2945 (1987).

