

Product Datasheet

IL-6 Antibody (orb345128)

Catalog Number	orb345128
Description	IL6 antibody
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	ELISA, IHC, WB
Immunogen	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with mature length recombinant human IL-6 produced in E.coli.
Preservatives	None
Form/Appearance	Lyophilized
Concentration	1.0 mg/mL
Storage	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Note	For research use only
Application notes	This purified antibody has been tested for use in IHC and western blotting. Reactivity is also expected in ELISA, neutralizations, radioimmunoassay and immunohistochemistry. The endotoxin content is estimated to be 10 pg/μl by the LAL method. By western blot a band approximately 23.7 kDa in size corresponding to native human IL-6 protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.

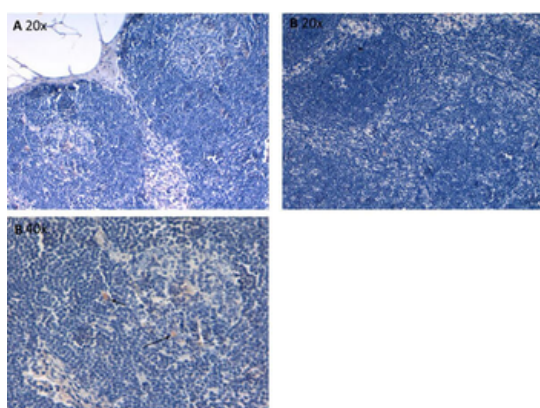
Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Isotype	IgG
Clonality	Polyclonal
Antibody Type	Primary Antibody
Purity	IL-6 antibody detects recombinant and native IL-6 present in body fluids and cell supernatants in various assays (ie. IL-1 stimulated IL-6 production from fibroblasts). In Western blot analysis of natural cell products or human body fluids, multiple bands of IL-6 will appear due to the variable amount of glycosylation on the molecule. The antiserum is also useful for neutralization of human of IL-6 activity in bioassays. For neutralization, incubate the sample with a 1:400 dilution of the antiserum for at least 4 hours before being tested. A control of similarly diluted normal rabbit IgG (heat inactivated) is recommended. In neutralization experiments in vitro, this antibody does not result in enhanced activity of IL-6. However, because antibodies to IL-6 may act as a soluble receptor in vivo, some antibodies to IL-6 act as carriers and enhance IL-6 activity. This product has minimal reactivity with mouse IL-6.
Uniprot ID	P05231
NCBI	NP_000591.1
Dilution Range	ELISA: 1:10,000, IHC: 1:200 - 1:1,000, WB: 1:300 - 1:1,000
Expiration Date	12 months from date of receipt.



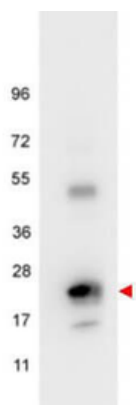
Immunohistochemistry of Rabbit Anti-IL6-Antibody. Tissue: human lymph nodes at pH9. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Anti-IL-6 antibody at 10 µg/ml for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10000 for 45 min at RT. Localization: IL-6 is cytoplasmic. Staining: IL-6 as precipitated brown signal (B 20x, B 40x) hematoxylin purple nuclear counterstain. Negative Control (A 20x).

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Western blot using Biorbyt's anti-Human IL6 antibody shows detection of a band ~24 kDa in size corresponding to recombinant human IL6 (arrowhead). Molecular weight markers are also shown. After transfer, the membrane was blocked overnight with 1% BSA in TTBS followed by reaction with primary antibody at a 1:500 dilution. Detection occurred using HRP conjugated anti-Rabbit IgG (p/n orb347654) secondary antibody diluted 1:40000 in blocking buffer (p/n orb348637) and FentoMax™ Chemiluminescent substrate.

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