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## Product Datasheet

### IL-1 beta antibody (Peroxidase) (orb345163)

**Description**

IL-1 beta antibody (Peroxidase)

**Species/Host**

Rabbit

**Reactivity**

Canine, Human, Primate

**Conjugation**

HRP

**Tested**

DOT, ELISA, IHC, WB

**Applications**
**Immunogen**

This antibody was prepared by repeated immunizations with recombinant human IL-1 $\beta$  produced in E.coli. The MW of the recombinant 153 aa IL-1 $\beta$  was 17 kDa with the N-terminal amino acid at position alanine 117. This cleavage site is generated by the IL-1 $\beta$  converting enzyme (ICE, caspase-1).

**Preservatives**

0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

**Form/Appearance**

Lyophilized

**Concentration**

1.1 mg/mL

**Storage**

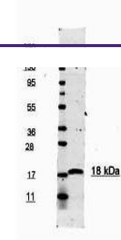
Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Note**

For research use only

**Application notes**

Anti-Human IL-1 $\beta$  has been tested in Western Blot. This antibody is suitable for use in neutralizations, ELISA, radioimmunoassays, flow cytometry, immunohistochemistry, and immunoprecipitation. It recognizes the 17,000 MW mature IL-1 $\beta$ . For immunoblots, typically, IL-1 $\beta$  is detected from supernatants or lysates of 2 x 10<sup>6</sup> endotoxin-stimulated peripheral blood mononuclear cells (PBMC). PBMC are stimulated for 24 hours with 1% (v/v) serum plus 10 ng/mL E.coli LPS. For immunoprecipitation pre-clearing the preparation with a non-specific Rabbit IgG (p/n 011-001-297) to reduce background is suggested. For immunohistochemistry either paraffin fixation or cryofixation can be used for sample preparation to stain intracellular IL-1 $\beta$ . For ELISA use HRP Conjugated Anti-Rabbit IgG [H&L] (Goat) (611-1302) for detection. In ELISA formats this antibody is best used as the second antibody in combination with a monoclonal antibody as a capture antibody. This antibody is also useful for neutralization of human and primate IL-1 $\beta$



This antibody is primarily directed against...