

Product Data Sheet

Biotin anti-human IL-1 α

Catalog # / Size: 515703 / 4 plates

Clone: BH0110

Isotype: Mouse IgG2a

Immunogen: Recombinant human IL-1 α

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

Storage: The antibody solution should be stored undiluted at 4°C. Do not freeze.

Applications:

Applications: ELISA Detection - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA detection, dilute 60 μ l of the biotinylated anti-human IL-1 α in 12 ml of assay diluent for each plate. To obtain a linear standard curve, serial dilutions of human IL-1 α protein ranging from 500 to 4 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: ELISA Detection: The biotinylated BH0110 antibody is useful as a detection antibody in a human IL-1 α sandwich ELISA assay in combination with purified 364-3B3-14 antibody (Cat. No. 500104) as capture antibody and recombinant human IL-1 α (Cat. No. 560101) as the standard. TMB Substrate Solution, BioLegend Cat. No. 421501 is recommended.

Description: IL-1 refers to two proteins, IL-1 α and IL-1 β which are the products of distinct genes, but which are recognized by the same cell surface receptors. IL-1 α is a potent immuno-modulator which mediates a wide range of immune and inflammatory responses. Recombinant human IL-1 α is an 18.0 kD protein containing 159 amino acids.

Antigen References:

1. Fitzgerald K, *et al.* Eds. 2001. The Cytokine FactsBook. Academic Press San Diego.
2. Bomford R, *et al.* Eds. 1989. *Interleukin-1 inflammation and disease*. Elsevier New York.
3. Brazel D, *et al.* 1991. *Biotechnol. Ther.* 2:241.
4. Dinarello C *et al.* 1996. *Blood* 87:2095.

Related Products:

Product
TMB High Sensitivity Substrate Solution
Recombinant Human IL-1 α
Purified anti-human IL-1 α

Clone

364-3B3-14

Application

ELISA
BA, ELISA
ELISA Capture, IHC



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