

**DATASHEET**

Version: 2016-08-17

**IL-1 beta Antibody (6B1G11), mAb, Mouse****Cat. No.:** A01485-40**Size:** 40 µg**Synonyms:** H1 antibody; LAF antibody**Description:**

Interleukin 1 (IL1), originally known as lymphocyte activating factor (LAF), activates T cells and lymphocytes, which subsequently proliferate and secrete interleukin 2. IL1 is primarily released from stimulated macrophages and monocytes. It is also released from several other cell types and is thought to play a key role in inflammatory and immune responses. The two closely related agents, interleukin1 alpha (IL1 alpha) and interleukin1 beta (IL1 beta), not only bind to the same cell surface receptor and elicit nearly identical biological responses but also share 25% homology in their amino acid sequence.

**Immunogen:** Human IL-1β full length recombinant protein**Host:** Mouse**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Fusion Partner:**

Spleen cells were fused with SP2/0-Ag14 mouse myeloma cells.

**Formulation:**

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

**Clone:** 6B1G11**Ig Subclass:** Mouse IgG2a,k**Specificity:** No cross-reactivity with IL-1α, IL-4, IL-6, IL-8, IL-18 are detected.**Purification:** Protein A affinity column**Applications:**

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

**ELISA:** 0.05-0.2 µg/ml**Western blot:** 0.1-1.0 µg/ml**Other:** user-optimized**Reconstitution:**

Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

**Storage:**

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.