

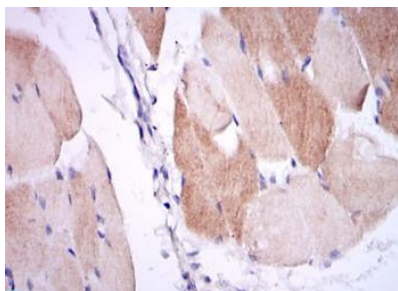
**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	IL-1 beta, Human, clone 3A6		
<b>Catalog number</b>	HM2383		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	- ml	<b>Amount</b>	100 µg
<b>Formulation</b>	0.2 µm filtered in PBS+50%glycerol+0.5%BSA+0.02%NaN3	<b>Concentration</b>	- mg/ml
<b>Host Species</b>	Mouse IgG1	<b>Conjugate</b>	None
<b>Endotoxin</b>	N.A.	<b>Purification</b>	Affinity purified
<b>Storage</b>	4°C		

**Application notes**

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes		•	•			•		•
No								
N.D.	•			•	•		•	

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot



IHC-P: Staining of muscle tissue with HM2383.

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

**General Information**

<b>Description</b>	Monoclonal antibody 3A6 recognizes human Interleukin-1beta (IL-1B). The IL-1 family of cytokines and receptors is unique and primarily associated with innate immunity. Each member contains the Toll-IL1-Receptor (TIR) domain and trigger innate inflammation through their receptors. There are 11 members of the IL1 family of cytokines known today, inducing a nonspecific immune response. IL1B evolved to assist host defense against infection. Expression is induced by inflammatory signals in a broad panel of immune cells. It activates antigen presenting cells and potentiates CD4+ Tcells toward Th1 and Th17 cells. IL1 members are expressed as zymogens and activated by caspases to generate IL1B and IL18. IL1B acts as an amplifier of the immune response. In western society, IL1 family is nowadays also known for its role in mediating autoinflammatory diseases by excessive production. In case of chronic inflammation this can also lead to tumorigenesis. Recent clinical trials with IL1B neutralizing antibodies have demonstrated this role in pathogenesis of atherosclerosis and cancer.
<b>Immunogen</b>	Purified recombinant fragment of human IL-1b expressed in E. Coli.
<b>Aliases</b>	IL-1b, Interleukin-1 beta, Catabolin, IL1F2
<b>Storage&amp;stability</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

**Precautions**

For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

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We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC  
Robbert Zwinkels

Date  
01/04/2019

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).