

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	IL-1ra3, Human, clone 2D11	Expiry date	-
Catalog number	HM2055-100UG		
Lot number	-	Amount	100 µg
Volume	1 ml	Concentration	100 µg/ml
Formulation	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	Conjugate	None
Host Species	Mouse IgG1	Purification	Protein G
Endotoxin	N.A.		
Storage	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

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 1:10.

General Information

Description The antibody reacts specifically with Human IL-1ra3. IL-1ra3 belongs to the IL-1 system which includes two agonists (IL-1alpha and IL-1beta), converting enzymes, antagonists, two receptors (IL-1 R I and IL-1 R II) and the IL-1 receptor accessory protein. Three molecular isoforms of the IL-1 receptor antagonist (IL-1ra) have been identified and cloned. Secreted IL-1ra (sIL-1ra or IL-1ra1) contains a classical leader peptide giving a released mature protein. Two intracellular isoforms, icIL-1ra type I (IL-1ra2) and icIL-1 ra type II (IL-1ra3), have no leader sequence, thus predicting that these proteins remain intracellular. IL-1ra3 may represent a reservoir of IL-1 inhibitors, released upon cell death, whose function is to limit the pro-inflammatory action of cell debris. Studies have shown that IL-1ra3 is expressed by various cell types upon exposure to inflammatory signals but most prominently by mononuclear phagocytes and keratinocytes.

References

1. Muzio, M et al; Cloning and characterization of a new isoform of the Interleukin 1 receptor antagonist. J Exp Med 1995, 182: 623
2. Muzio, M et al; Characterization of type II intracellular IL-1 receptor antagonist (IL-1ra3): a depot IL-1ra. Eur J Immunol 1999, 29: 781

Storage&stability 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.

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
Brenda Teunissen

Date
29/11/2019

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.