CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	IL-1RII, Human, clone 8.5, FITC conjugated		
Catalog number	HM2053F-100UG		
Lot number	-	**Expiry date**	-
Volume	1 ml	**Amount**	100 µg
Formulation	0.2 µm filtered in PBS+1%BSA+0.02%NaN3	**Concentration**	100 µg/ml
Host Species	Mouse IgG1	**Conjugate**	FITC
Endotoxin	N.A.	**Purification**	Protein G
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 1:50.

General Information

Description
The antibody reacts specificly with Human IL-1RII. The IL-1 system includes two agonists (IL-1alpha and IL-1beta), converting enzymes, antagonists, two receptors (IL-1RI and IL-1RII) and the IL-1 receptor accessory protein. The IL-1RII is part of the antagonistic IL-1 mechanism. It is also known as decoy receptor and is a non-signaling molecule which functions by capturing IL-1 and preventing it from interacting with the signalling IL-1RI. The decoy IL-1RII can after binding to IL-1 also recruit the IL-1 receptor accessory protein and thus inhibit by coreceptor competition. Further a soluble form of IL-1RII exists which is shed, a process in which matrix metalloproteases have been found to play a role, by various cells including monocytes, polymorphonuclear cells, B cells and fibroblasts.

References
1. Mantovani, A et al; Regulation of inhibitory pathways of the Interleukin-1 system. Ann N Y Acad Sci 1998, *840*: 338
2. Penton-Rol, G et al; Bacterial lipopolysaccharide causes rapid shedding, followed by inhibition of mRNA expression, of the IL-1 type II receptor, with concomitant up-regulation of the type I II receptor and induction of incompletely spliced transcripts. J Immunol 1999, *162:* 2931
3. Muller, B et al; High circulating levels of the IL-1 type II decoy receptor in critically ill patients with sepsis: association of high decoy receptor levels with glucocorticoid administration. J Leukoc Biol 2002, *72*: 643

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.

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