Anti-IL1A monoclonal antibody, clone Flo1 (CABT-48475MM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product specifically recognises mouse interleukin-1 alpha (IL-1 alpha), a pleiotropic pro-inflammatory cytokine and member of the IL-1 superfamily, secreted by activated macrophages and monocytes, which mediates a wide range of immune and inflammatory responses. IL-1 alpha and closely related IL-1 beta, are both involved in haematopoiesis and exhibit many identical immunomodulatory properties, binding to the same type I interleukin-1 receptor, also known as CD121a. Clone Flo1 can be used in functional studies to neutralize the activity of 125pg/ml of recombinant mouse IL-1 alpha by 95%, as tested using mouse D10(N4)M T-helper cells.
Specificity	IL1A
Immunogen	Recombinant mouse IL-1 alpha
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Mouse
Clone	Flo1
Conjugate	Unconjugated
Applications	ELISA; FA
Format	Purified IgG - liquid
Size	100 µg
Preservative	None

Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Il1a interleukin 1 alpha [Mus musculus (house mouse)]
Official Symbol	IL1A
Synonyms	IL1A; interleukin 1 alpha; Il-1a; interleukin-1 alpha; IL-1 alpha;
Entrez Gene ID	16175
Protein Refseq	NP_034684
UniProt ID	P01582
Chromosome Location	2 F; 2 62.9 cM
Pathway	Apoptosis; Apoptosis signaling pathway; Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response (BioCarta); FAS pathway and Stress induction of HSP regulation; Graft-versus-host disease; Hematopoietic cell lineage;
Function	copper ion binding; cytokine activity; interleukin-1 receptor binding;