

IL-4 Monoclonal Antibody (A155B15C6), Biotin

Catalog NumberASC0849

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Pig
Host/Isotope	Mouse / IgG1, kappa	Published species	Pig, Not Applicable
Class	Monoclonal	Tested ApplicationsDilution *	
Type	Antibody	ELISA (ELISA)	Assay-dependent
Clone	A155B15C6	Published Applications	
Immunogen	Recombinant swine IL-4.	ELISA (ELISA)	See 2 publications below
Conjugate	Biotin	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Protein A		
Storage buffer	PBS, pH 7.5, with 5mg/mL BSA		
Contains	0.5mg/mL sodium azide		
Storage Conditions	4° C		

Product specific information

This product is recommended as a detection antibody in Sandwich ELISA applications. This clone can also be referred to as clone number A155B 15C6 1H8.

Background/Target Information

Interleukin-4 (IL-4) is a pleiotropic, immune-modulatory cytokine produced by activated T cells, and serves as a ligand for interleukin 4 receptor. IL-4 has been found to have the broadest range of actions. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play an important role in mediating the immune regulatory signal of IL-4. The IL-4 gene, IL-3, IL-5, IL-13, and CSF2 form a cytokine gene cluster on chromosome 5q. In particular, IL-4 is located in close proximity to IL13 on the chromosome. Further, the IL-4 gene, IL13 and IL5 are found to be coordinated by several long-range regulatory elements over a 120 kilobase range on the chromosome. IL-4 delta 2 is a known splice variant of IL-4.

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PubMed References For IL-4 Monoclonal Antibody (A155B15C6), Biotin

2 ELISA References

Species / Dilution	Summary
Pig / Not Cited	ASC0849 was used in ELISA to characterize pigs fed camelina oil-cakes
	PloS one (2015; 9:) "-3 PUFA rich camelina oil by-products improve the systemic metabolism and spleen cell functions in fattening pigs." Author(s):Taranu I,Gras M,Pistol GC,Motiu M,Marin DE,Lefter N,Ropota M,Habeanu M PubMed Article URL: http://dx.doi.org/10.1371/journal.pone.0110186
Not Applicable / Not Cited	ASC0849 was used in ELISA to study immune traits in pig families
	PloS one (2011; 6:) "Immunity traits in pigs: substantial genetic variation and limited covariation." Author(s):Flori L,Gao Y,Laloë D,Lemonnier G,Leplat JJ,Teillaud A,Cossalter AM,Laffitte J,Pinton P,de Vaureix C,Bouffaud M,Mercat MJ,Lefèvre F,Oswald IP,Bidanel JP,Rogel-Gaillard C PubMed Article URL: http://dx.doi.org/10.1371/journal.pone.0022717

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