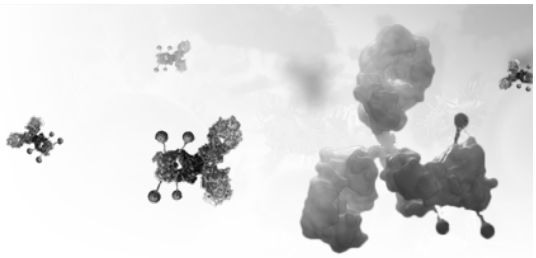

Anti-ICOS monoclonal antibody, clone C398.4A (CABT-51735HM)

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

PRODUCT INFORMATION

Product Overview	This product recognises CD278, also known as Inducible T cell costimulator or ICOS, a CD28-superfamily costimulatory molecule. It is expressed on activated T cells and resting memory T cells. It enhances all the basic T cell responses to a foreign antigen, namely proliferation, secretion of lymphokines and up-regulation of molecules that mediate cell-cell interaction. It is essential for the efficient interaction between B and T cells and is involved in antibody responses to T cell dependent antigens. It up-regulates the synthesis of interleukin-10, but not interleukin-2 and prevents the apoptosis of pre-activated T cells. Clone C398.4A has been reported to costimulate T cell activation and proliferation in vitro. Flow Cytometry Use 10ul of the suggested working dilution to label 1x106 cells in 100ul.
Specificity	CD278
Immunogen	Mouse T cell clone D10.G4.1
Isotype	IgG
Source/Host	Hamster
Species Reactivity	Mouse, Human, Pig, Rat
Clone	C398.4A
Conjugate	Unconjugated
Applications	IHC-Fr; FC; IP
Format	Purified IgG - liquid
Size	250 µg
Preservative	0.09% Sodium Azide

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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	Icos inducible T cell co-stimulator [Mus musculus (house mouse)]
Official Symbol	ICOS
Synonyms	ICOS; inducible T cell co-stimulator; H4; CCLP; AILIM; CRP-1; Ly115; inducible T-cell costimulator; CD28-related protein 1; CD28 and CTLA-4-like protein; inducible T-cell co-stimulator; activation-inducible lymphocyte immunomediatory molecule; CD278;
Entrez Gene ID	54167
Protein Refseq	NP_059508
UniProt ID	Q9R1T7
Chromosome Location	1 C2; 1 30.6 cM
Pathway	Adaptive Immune System; Cell adhesion molecules (CAMs); Costimulation by the CD28 family; Immune System; Intestinal immune network for IgA production; Primary immunodeficiency; T cell receptor signaling pathway;
Function	protein binding;

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