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INHBB Recombinant Monoclonal Antibody

Product Code	CSB-RA990624A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P09529
Immunogen	A synthesized peptide derived from Human INHBB
Species Reactivity	Human
Tested Applications	ELISA, FC; Recommended dilution: FC:1:50-1:200
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience;Signal transduction
Gene Names	INHBB
Clone No.	34B10

Image



Overlay Peak curve showing A549 cells stained with CSB-RA990624A0HU (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific proteinprotein interactions followed by the antibody $(1\mu g/1*10^{\circ} cells)$ for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Antirabbit IgG(H+L) at 1:200 dilution for 35min at 4?.Control antibody (green line) was rabbit IgG $(1\mu g/1*10^{\circ} cells)$ used under the same conditions. Acquisition of >10,000 events was performed.

Description

The INHBB recombinant monoclonal antibody is synthesized in vitro through a systematic process. Initially, INHBB antibody genes are isolated from B cells derived from immunoreactive rabbits. These genes undergo amplification and are cloned into phage vectors, which are subsequently introduced into mammalian cell lines to facilitate the generation of functional antibodies in significant quantities. The resulting INHBB recombinant monoclonal antibody is purified from the culture supernatant of the transfected cell lines through affinity

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chromatography. This antibody shows reactivity with human INHBB protein and has been validated in ELISA and FC applications.

INHBB is a critical component in the formation of inhibin and activin, two hormone complexes that play essential roles in regulating the endocrine and reproductive systems, as well as aspects of embryonic development and tissue homeostasis. These functions are vital for maintaining hormonal balance and proper functioning of the reproductive system.