Anti-Il12a Neutralizing Antibody (V3S-0822-YC1525)

Cat. No.: V3S-0822-YC1525

Summary

Description	This product is a rat monoclonal antibody provided by Creative Biolabs. The antibody is capable of recognizing interleukin 12a. It can be used for Il12a detection in Enzyme-Linked Immunosorbent Assay (ELISA), Functional Assay (FuncS), Neutralization Assay (Neut). The antibody is expressed in mammalian cells (293F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultra purified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg.
Clonality	Monoclonal
Host Species	Rat
Target Species	Mouse
Isotype	IgG2a kappa
Isotype Control	C62626
Secondary Antibody	C40224; C74571; C22227; C56421; C47763; C63764; C64554

Property

Conjugation	Unconjugated
Purity	>95%, determined by SDS-PAGE
Purification	Affinity purified
Storage	Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

Applications

Application	ELISA; FuncS; Neut

Target

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Target	Il12a
Alternative Name	Il12; ainterleukin 12a; p35; LI12a; Il-12a; IL-12p35
Gene ID	16159
UniProt	P43431
Introduction	Il12a is a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD sub unit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor fam ily. This cytokine is required for the T-cell-independent induction of interferon (IFN)-gamma, a nd is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocyte s to this cytokine are mediated by the activator of transcription protein STAT4. Nitric oxide syn thase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in i nnate immunity.
Research Area	Cardiovascular

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