



Mouse Anti-Mouse IFNAR-1 Monoclonal antibody, clone MAR1-5A3 (CABT-L4490)

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

PRODUCT INFORMATION

Product Overview

The MAR1-5A3 monoclonal antibody reacts with mouse IFNAR-1 (IFN alpha/beta receptor subunit 1). IFNAR-1 is coexpressed with IFNAR-2 on nearly all cell types and together these two subunits make up the heterodimeric Type I IFN Receptor complex. Type I IFNs (IFN- α/β) bind to the Type I IFN Receptor complex to induce cellular responses including induction of anti-viral, anti-microbial, anti-tumor, and autoimmune responses as well as to regulate the activation, proliferation, and differentiation of many cell types. The MAR1-5A3 antibody has been shown to inhibit Type I IFN receptor signaling in vitro and in vivo.

Target	Mouse IFNAR-1
Immunogen	Extracellular domain of mouse IFNAR-1
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Mouse
Clone	MAR1-5A3
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo IFNAR-1 blockade, in vitro IFNAR-1 blockade, WB
Molecular Weight	150 kDa
Format	0.2 μ M filtered liquid. Purified from tissue culture supernatant in an animal free facility

Concentration	Lot specific
Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Associates with IFNAR2 to form the type I interferon receptor. Receptor for interferons alpha and beta. Binding to type I IFNs triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and IFNR alpha- and beta-subunits themselves.
Keywords	IFNAR1;interferon-alpha/beta receptor alpha chain-like;putative interferon-alpha/beta receptor alpha chain;

GENE INFORMATION

Official Symbol	interferon-alpha/beta receptor alpha chain-like
Synonyms	IFNAR1; interferon-alpha/beta receptor alpha chain-like; putative interferon-alpha/beta receptor alpha chain;
References	Macal, M., et al. (2018). "Self-Renewal and Toll-like Receptor Signaling Sustain Exhausted Plasmacytoid Dendritic Cells during Chronic Viral Infection." Immunity 48(4): 730-744 e735. PubMed;