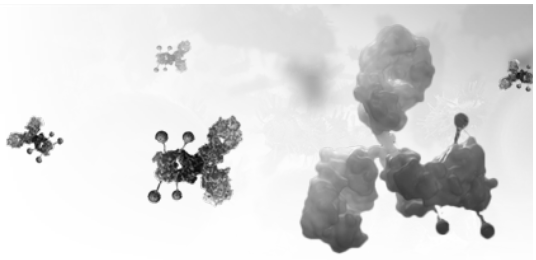

Rat Anti-Mouse IFNγR (CD119) Monoclonal antibody, clone GR-20 (CABT-L4371)

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

PRODUCT INFORMATION

Product Overview	The GR-20 monoclonal antibody reacts with the mouse IFNγR (interferon gamma receptor) α chain also known as CD119 and IFNγ receptor 1. CD119 heterodimerizes with IFNγ receptor 2 (AF-1) to form the IFNγR, a Class II cytokine receptor. The IFNγR is expressed ubiquitously on almost all cell types with the exception of mature erythrocytes. The GR-20 antibody binds to an epitope in the ligand-binding site of the receptor and has been shown to block the binding of IFNγ to CD119 therefore inhibiting IFNγ mediated effects.
Target	Mouse IFNγR (CD119)
Immunogen	BALB/c mouse monomyelocytic cell line WEHI-3
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	GR-20
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo IFNγR neutralization
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific

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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	This gene (IFNGR1) encodes the ligand-binding chain (alpha) of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. A genetic variation in IFNGR1 is associated with susceptibility to Helicobacter pylori infection. In addition, defects in IFNGR1 are a cause of mendelian susceptibility to mycobacterial disease, also known as familial disseminated atypical mycobacterial infection. [provided by RefSeq, Jul 2008]
Keywords	IFNGR1;interferon gamma receptor 1;CD119;IFNGR;IMD27A;IMD27B;CDw119;AVP, type 2;IFN-gamma-R1;CD119 antigen;IFN-gamma receptor 1;antiviral protein, type 2;immune interferon receptor 1;interferon-gamma receptor alpha chain;

GENE INFORMATION

Official Symbol	interferon gamma receptor 1
Synonyms	IFNGR1; interferon gamma receptor 1; CD119; IFNGR; IMD27A; IMD27B; CDw119; AVP, type 2; IFN-gamma-R1; CD119 antigen; IFN-gamma receptor 1; antiviral protein, type 2; immune interferon receptor 1; interferon-gamma receptor alpha chain;
References	Folias, A. E., et al. (2014). "Aberrant innate immune activation following tissue injury impairs pancreatic regeneration." PLoS One 9(7): e102125. PubMed;

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