



Rat Anti-Human IL-12 p70 Monoclonal antibody, clone 20C2 (CABT-L4326)

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

PRODUCT INFORMATION

Product Overview	The 20C2 monoclonal antibody reacts with human interleukin-12 (IL-12)
Target	Human IL-12 p70
Immunogen	Partially purified human IL-12 p70
Isotype	IgG1, κ
Source/Host	Rat
Species Reactivity	Human
Clone	20C2
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	FuncS, ELISA, FC
Molecular Weight	150 kDa
Format	0.2 µM 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
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Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
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Ship	Wet ice
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BACKGROUND

Introduction	The 20C2 monoclonal antibody reacts with human interleukin-12 (IL-12), a heterodimeric 70 kDa (p70) cytokine consisting of two covalently linked subunits, 40 kDa (p40) and 35 kDa (p35). IL-12 is secreted by activated monocytes, macrophages, and dendritic cells in response to bacterial pathogens or products such as lipopolysaccharides (LPS). IL-12 is a potent regulator of cell-mediated immune responses and plays a key role in the development of Th1 responses, leading to IFNγ and IL-2 production.
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Keywords	interleukin-12;IL-12;IL-12 p70
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GENE INFORMATION

References	Bakdash, G., et al. (2014). "Vitamin D3 metabolite calcidiol primes human dendritic cells to promote the development of immunomodulatory IL-10-producing T cells." Vaccine 32(47): 6294-6302. PubMed;
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