

# IL-12 p70 Monoclonal Antibody (20C2), Functional Grade, eBioscience™

Product Details	
Size	500 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rat / IgG1
Class	Monoclonal
Type	Antibody
Clone	20C2
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage conditions	4° C
RRID	AB_2573119

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	-
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	-
ELISA (ELISA)	Assay-Dependent	1 Publication
Neutralization (Neu)	Assay-Dependent	-
Functional Assay (FN)	Assay-Dependent	-

## Product Specific Information

**Description:** The monoclonal antibody 20C2 reacts with heterodimeric form of IL-12 called p70 (sometimes called p75). The two covalently linked subunits that comprise IL-12 are p35 and p40 with a combined relative mass of 75 kDa protein. IL-12 is secreted primarily by activated monocytes, macrophages, and dendritic cells. IL-12 can induced IFN gamma production and plays a key role in the development of Th responses. This 20C2 antibody has been reported to have neutralizing activity of the intact IL-12p70 complex (but not the individual subunits).

**Applications Reported:** This 20C2 antibody has been reported for use in western blotting, immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, and ELISA. It has also been reported in blocking IL-12 receptor binding and biologic activity in functional assays.

**Storage and handling:** Use in a sterile environment.

**Filtration:** 0.2 µm post-manufacturing filtered.

**Purity:** Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/μg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

1 Reference

ELISA (1)

Oncoimmunology	Year 2021
<b>Hematopoietic stem cell-derived myeloid and plasmacytoid DC-based vaccines are highly potent inducers of tumor-reactive T cell and NK cell responses <i>ex vivo</i>.</b>	Species Human
"16-8126 was used in an ELISA assay to indicate that hematopoietic stem and progenitor cells-derived dendritic cell vaccines may possess superior potential to boost antitumour immunity post allogeneic stem cell transplantation."	
Authors: Thordardottir S,Schaap N,Louer E,Kester MG,Falkenburg JH,Jansen J,Radstake TR,Hobo W,Dolstra H	

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.