

# CD163 Monoclonal Antibody (ED2)

## Product Details

Size	250 µg
Species Reactivity	Rat
Published Species	Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	ED2
Conjugate	Unconjugated
Immunogen	Rat Spleen cell homogenate
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2538152

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent	-
Immunohistochemistry (Frozen) (IHC (F))	1:50-1:100	-
Immunocytochemistry (ICC/IF)	Assay-dependent	-
Flow Cytometry (Flow)	Assay-dependent	1 Publication
Immunoprecipitation (IP)	Assay-dependent	-

## Product Specific Information

This product requires protein digestion pre-treatment of paraffin sections using trypsin or pronase. A suggested positive control for immunohistochemical applications is liver. For FACS analysis, use 10 µL of the suggested working dilution to label 1x10<sup>6</sup> cells in 100 µL.

Mouse anti Rat CD163, clone ED2 recognizes the rat ED2 cell surface glycoprotein (Dijkstra et al. 1985).

Immunohistochemistry (2)

Cancer research	Year 1999
<b>Eradication of rat malignant gliomas by retroviral-mediated, in vivo delivery of the interleukin 4 gene.</b>	Species Rat
"MA5-16658 was used in immunohistochemistry to test if IL-4 can protect from malignant gliomas in vivo." Authors: Benedetti S,Bruzzone MG,Pollo B,DiMeco F,Magrassi L,Pirola B,Cirenei N,Colombo MP,Finocchiaro G	
Human gene therapy	Year 1997
<b>Limited efficacy of the HSV-TK/GCV system for gene therapy of malignant gliomas and perspectives for the combined transduction of the interleukin-4 gene.</b>	Species Rat
"MA5-16658 was used in immunohistochemistry to study the effects of IL-4 using the HSV-tk/GCV system of glioma gene therapy." Authors: Benedetti S,Dimeco F,Pollo B,Cirenei N,Colombo BM,Bruzzone MG,Cattaneo E,Vescovi A,Didonato S, Colombo MP,Finocchiaro G	Dilution 1:250

Flow Cytometry (1)

Journal of cellular physiology	Year 2019
<b>C1q/TNF-related protein-9 promotes macrophage polarization and improves cardiac dysfunction after myocardial infarction.</b>	Species Rat
"MA5-16658 was used in Flow cytometry/Cell sorting to demonstrated that CTRP9 improved post-MI early cardiac function at least in part by modulating M1/M2 macrophage polarization." Authors: Liu M,Yin L,Li W,Hu J,Wang H,Ye B,Tang Y,Huang C	

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.