

CD202b (TIE2) Monoclonal Antibody (TEK4), Functional Grade, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	TEK4
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_469188

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	5 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	3 Publications
Flow Cytometry (Flow)	1 µg/test	15 Publications
Functional Assay (FN)	Assay-Dependent	-
Control (Ctrl)	Assay-Dependent	-

Product Specific Information

Description: The TEK4 monoclonal antibody reacts with mouse Tie-2, also known as CD202. A member of the tyrosine kinase receptor family, Tie-2 is expressed on endothelial and a subset of hematopoietic cells and is believed to play a role in both angiogenesis and hematopoiesis during development of the mouse embryo. In fetal liver and adult bone marrow, Tie-2 is expressed by a subpopulation of hematopoietic progenitor cells characterized as Lineage markers⁻, c-Kit⁺, Sca1⁺ cells. Long-term multilineage repopulating cells were detected in Tie-2⁺, Lineage⁻, c-Kit⁺, Sca1⁺ cells but not in Tie-2⁻, Lineage⁻, c-Kit⁺, Sca1⁺ cells.

Applications Reported: The TEK4 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The TEK4 antibody has been tested by blocking of staining with fluorochrome conjugated TEK4 on mouse bone marrow cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Storage and handling: Use in a sterile environment.

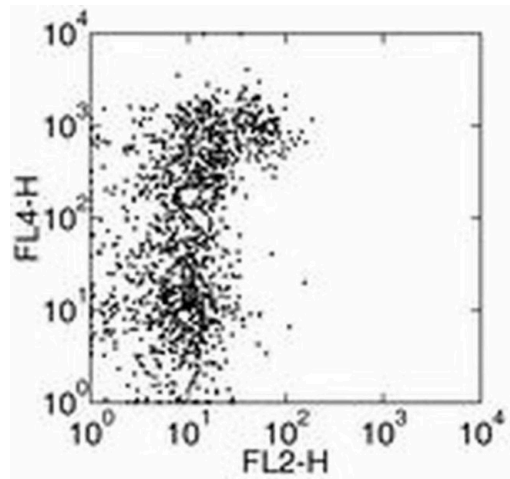
Filtration: 0.2 µm post-manufacturing filtered.

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.

Product Images For CD202b (TIE2) Monoclonal Antibody (TEK4), Functional Grade, eBioscience™



CD202b (TIE2) Antibody (16-5987-82) in Flow
Staining of mouse bone marrow with Anti-Mouse CD202b (TEK4) PE and Anti-Mouse Ly-6A/E (Sca-1) APC (Product # 17-5981-82) + Anti-Mouse CD117 (c-kit) APC (Product # 17-1171-82). Total viable lineage negative cells were used for analysis.

[View more figures on thermofisher.cn](http://thermofisher.cn)

Immunohistochemistry (5)

<p>Molecular cancer therapeutics</p> <p>The Selective Tie2 Inhibitor Rebastinib Blocks Recruitment and Function of Tie2^{Hi} Macrophages in Breast Cancer and Pancreatic Neuroendocrine Tumors.</p> <p>"Published figure using CD202b (TIE2) monoclonal antibody (Product # 16-5987-82) in Immunofluorescence"</p> <p>Authors: Harney AS,Karagiannis GS,Pignatelli J,Smith BD,Kadioglu E,Wise SC,Hood MM,Kaufman MD,Leary CB,Lu WP,Al-Ani G,Chen X,Entenberg D,Oktay MH,Wang Y,Chun L,De Palma M,Jones JG,Flynn DL,Condeelis JS</p>	<p>Year 2017</p> <p>Species Mouse</p>
<p>Science translational medicine</p> <p>Neoadjuvant chemotherapy induces breast cancer metastasis through a TMEM-mediated mechanism.</p> <p>"Published figure using CD202b (TIE2) monoclonal antibody (Product # 16-5987-82) in Immunohistochemistry"</p> <p>Authors: Karagiannis GS,Pastoriza JM,Wang Y,Harney AS,Entenberg D,Pignatelli J,Sharma VP,Xue EA,Cheng E,D'Alfonso TM,Jones JG,Anampa J,Rohan TE,Sparano JA,Condeelis JS,Oktay MH</p>	<p>Year 2017</p>

[View more IHC references on thermofisher.cn](#)

Immunohistochemistry (Frozen) (1)

<p>Cancer gene therapy</p> <p>Mapping of angiogenic markers for targeting of vectors to tumor vascular endothelial cells.</p> <p>Authors: Tang Y,Borgstrom P,Maynard J,Kozioł J,Hu Z,Garen A,Deisseroth A</p>	<p>Year 2007</p>
---	-----------------------------

Immunocytochemistry (3)

<p>Science translational medicine</p> <p>Neoadjuvant chemotherapy induces breast cancer metastasis through a TMEM-mediated mechanism.</p> <p>"Published figure using CD202b (TIE2) monoclonal antibody (Product # 16-5987-82) in Immunohistochemistry"</p> <p>Authors: Karagiannis GS,Pastoriza JM,Wang Y,Harney AS,Entenberg D,Pignatelli J,Sharma VP,Xue EA,Cheng E,D'Alfonso TM,Jones JG,Anampa J,Rohan TE,Sparano JA,Condeelis JS,Oktay MH</p>	<p>Year 2017</p>
--	-----------------------------

[View more ICC/IF references on thermofisher.cn](#)

More applications with references on thermofisher.cn

Flow (15)

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.