

HAI-1 Monoclonal Antibody (9B10), eBioscience™

Product Details

Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	9B10
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_891558

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	-
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	-
Immunoprecipitation (IP)	Assay-Dependent	-

Product Specific Information

Description: The monoclonal antibody 9B10 recognizes HAI-1 also known as hepatocyte growth factor activation inhibitor. HAI-1 is a single transmembrane protein of approximately 53 kDa with an extracellular Kunitz-type serine protease inhibitor domain. HAI-1 and HAI-2 are produced in membrane-associated forms, which are secreted as active, proteolytically truncated proteins. HAI can bind to and inhibit HGFA and matrilysin, which are responsible for converting HGF to an active form. Human HAI-1 transcript is expressed in various human tissues, such as adult placenta, kidney, pancreas, prostate, small intestine, fetal kidney and fetal lung. HAI-1 is a marker for prostate and breast cancers.

Applications Reported: This 9B10 antibody has been reported for use in flow cytometric analysis, immunoprecipitation, and immunoblotting (WB) under nonreducing conditions only.

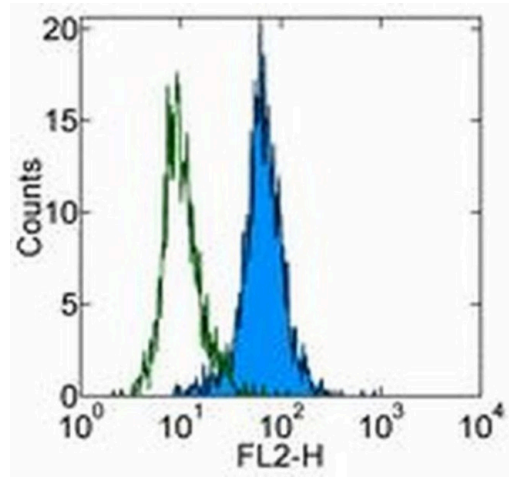
Applications Tested: This 9B10 antibody has been tested by flow cytometric analysis of human cell line MCF7. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined 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.

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

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

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For HAI-1 Monoclonal Antibody (9B10), eBioscience™



HAI-1 Antibody (14-9960-82) in Flow
Staining of MCF7 cell line with 0.25 µg of Mouse IgG2a K Isotype Control Purified (Product # 14-4724-82) (open histogram) or 0.25 µg of Anti-Human HAI-1 Purified (filled histogram) followed by F (ab')₂ Anti-Mouse IgG PE (Product # 12-4012). Total viable cells were used for analysis.

2 References

Immunohistochemistry (1)

Scientific reports	Year 2017
Cytotrophoblast, Not Syncytiotrophoblast, Dominates Glycolysis and Oxidative Phosphorylation in Human Term Placenta.	Species Human
"14996082 was used in immunohistochemistry to compare the metabolic rates of cytotrophoblast and syncytiotrophoblast cells"	Dilution 1:100
Authors: Kolahi KS, Valent AM, Thornburg KL	

Immunocytochemistry (1)

PloS one	Year 2017
Real-Time Tracking of BODIPY-C12 Long-Chain Fatty Acid in Human Term Placenta Reveals Unique Lipid Dynamics in Cytotrophoblast Cells.	Species Human
"14-9960 was used in Immunofluorescence to suggest a new role for cytotrophoblast in regulating placental fatty acid uptake and metabolism."	Dilution 1:100
Authors: Kolahi K, Louey S, Varlamov O, Thornburg K	

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.