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 matripase, 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.

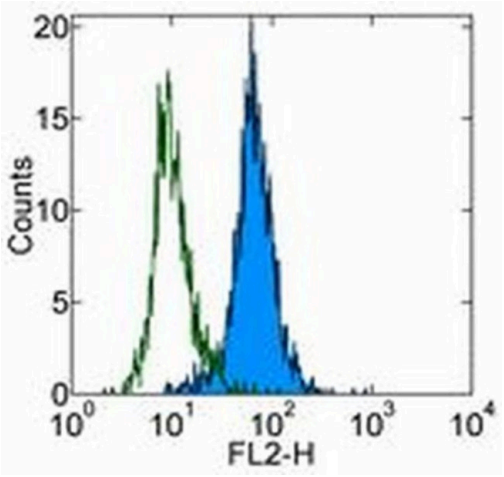
Applications Tested: This 9B10 antibody has been tested by flow cytometric analysis of human cell line MCF7. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 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

Cytotrophoblast, Not Syncytiotrophoblast, Dominates Glycolysis and Oxidative Phosphorylation in Human Term Placenta.

"14996082 was used in immunohistochemistry to compare the metabolic rates of cytotrophoblast and syncytiotrophoblast cells"

Authors: Kolahi KS,Valent AM,Thornburg KL

Year
2017

Species
Human

Dilution
1:100

Immunocytochemistry (1)

PloS one

Real-Time Tracking of BODIPY-C12 Long-Chain Fatty Acid in Human Term Placenta Reveals Unique Lipid Dynamics in Cytotrophoblast Cells.

"14-9960 was used in Immunofluorescence to suggest a new role for cytotrophoblast in regulating placental fatty acid uptake and metabolism."

Authors: Kolahi K,Louey S,Varlamov O,Thornburg K

Year
2017

Species
Human

Dilution
1:100