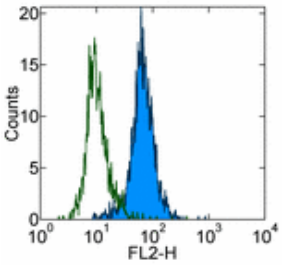
full spectrum cell analysis®
eBioscience®

Anti-Human HAI-1 Purified

Catalog Number: 14-9960
Also Known As:HGF activator inhibitor-1, hepatocyte growth factor
RUO: For Research Use Only



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

Product Information

Contents: Anti-Human HAI-1 Purified
REF Catalog Number: 14-9960
Clone: 9B10
Concentration: 0.5 mg/ml
Host/Isotype: Mouse IgG2a, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

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.

References

Parr C, Watkins G, Mansel RE, Jiang WG. The hepatocyte growth factor regulatory factors in human breast cancer. Clin Cancer Res. 2004 Jan 1;10(1 Pt 1):202-11.

Oberst M, Anders J, Xie B, Singh B, Ossandon M, Johnson M, Dickson RB, Lin CY. Matriptase and HAI-1 are expressed by normal and malignant epithelial cells in vitro and in vivo. Am J Pathol. 2001 Apr;158(4):1301-11.

Suzuki K, Nakamura K, Kato K, Hamada H, Tsukamoto T. Exploration of target molecules for prostate cancer gene therapy. Prostate. 2007 Aug 1;67(11):1163-73. (9B10, FC, IP, PubMed)

Related Products

11-4011 Anti-Mouse IgG FITC
11-4317 Streptavidin FITC
12-4317 Streptavidin PE
13-4013 Anti-Mouse IgG Biotin (Polyclonal)
14-4724 Mouse IgG2a K Isotype Control Purified
17-4317 Streptavidin APC

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com