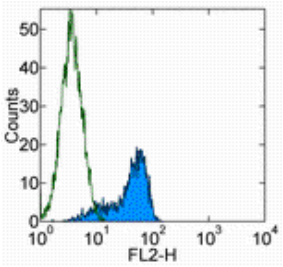
full spectrum cell analysis®
eBioscience®

Anti-Mouse c-Met (HGF Receptor) Purified

Catalog Number: 14-8854
Also Known As:hepatocyte growth factor receptor
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of mouse c-Met-transfected 293T cells with 0.5 ug of Rat IgG1 K Isotype Control Purified (cat. 14-4301) (open histogram) or 0.5 ug of Anti-Mouse c-Met (HGF Receptor) Purified (filled histogram) followed by F(ab')2 Anti-Rat IgG PE (cat. 12-4822). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse c-Met (HGF Receptor) Purified
REF **Catalog Number:** 14-8854
Clone: eBioclone 7
Concentration: 0.5 mg/mL
Host/Isotype: Rat IgG1, kappa

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

Description

The eBioclone 7 monoclonal antibody was generated against a mouse c-Met-Ig fusion protein, and reacts with mouse c-Met-transfected cells. Mouse c-Met (HGFR) is a 170 kDa receptor tyrosine kinase (RTK) expressed by epithelial cells of the brain, kidney, liver and other tissues. Binding of its ligand, Hepatocyte Growth Factor (HGF), triggers receptor autophosphorylation, and activation of several downstream effectors including the mitogen-activated protein kinases ERK-1 and ERK-2, and PLC gamma. Activation of the c-Met signal transduction pathway leads to mulitple cellular responses including cell motility, scattering, proliferation, survival and angiogenesis. Mutations in human c-Met have been implicated in the development of several malignancies.

Applications Reported

This eBioclone 7 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBioclone 7 antibody has been tested by flow cytometric analysis of mouse c-Met-transfected 293T 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 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

Convenient and efficient enrichment of the CD133+ liver cells from rat fetal liver cells as a source of liver stem/progenitor cells.Liu WH, Li R, Dou KF. Stem Cell Rev. 2011 Mar;7(1):94-102. (**eBioclone 7**, FC on rat PubMed)

Gordin M, Tesio M, Cohen S, Gore Y, Lantner F, Leng L, Bucala R, Shachar I. c-Met and its ligand hepatocyte growth factor/scatter factor regulate mature B cell survival in a pathway induced by CD74. J Immunol. 2010 Aug 15;185(4):2020-31 (**eBioclone 7**, FC, PubMed)

Iyer A, Kmiecik TE, Park M, Daar I, Blair D, Dunn KJ, Sutrave P, Ihle JN, Bodescot M, Vande Woude GF. Structure, tissue-specific expression, and transforming activity of the mouse met protooncogene. Cell Growth Differ. 1990 Feb;1(2):87-95.

Suzuki A, Zheng Yw YW, Kaneko S, Onodera M, Fukao K, Nakauchi H, Taniguchi H. Clonal identification and characterization of self-renewing pluripotent stem cells in the developing liver. J Cell Biol. 2002 Jan 7;156(1):173-84.

Related Products

11-4811 Anti-Rat IgG FITC
12-4822 F(ab')2 Anti-Rat IgG PE (polyclonal)

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