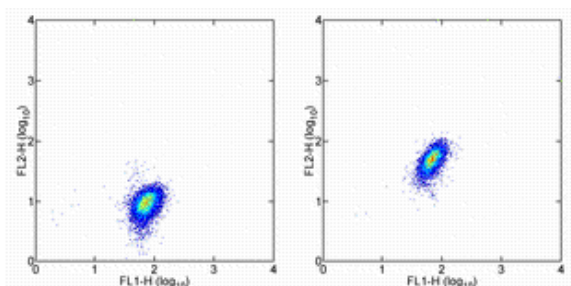


## Anti-Human c-Met (HGF Receptor) Purified

**Catalog Number:** 14-8858

**Also Known As:** hepatocyte growth factor receptor

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of human c-Met/GFP-transfected cells with 0.5 ug of Rat IgG1 K Isotype Control Purified (cat. 14-4301) (left) or 0.5 ug of Anti-Human c-Met (HGF Receptor) Purified (right) followed by F(ab')<sub>2</sub> Anti-Rat IgG PE (cat. 12-4822). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Human c-Met (HGF Receptor) Purified

**REF** **Catalog Number:** 14-8858

**Clone:** eBioclone 97


**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

97 monoclonal antibody was generated against a human c-Met-Ig fusion protein, and reacts with human c-Met (HGFR)-transfected cells. Human c-Met is a 145 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 multiple 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 97 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This eBioclone 97 antibody has been tested by flow cytometric analysis of human c-Met-transfected 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<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Hov H, Tian E, Holien T, Holt RU, Våtsveen TK, Fagerli UM, Waage A, Børset M, Sundan A. c-Met signaling promotes IL-6-induced myeloma cell proliferation. *Eur J Haematol.* 2009 Apr;82(4):277-87 (**eBioclone 97**, FC, PubMed)

Lin JC, Naujokas M, Zhu H, Nolet S, Park M. Intron-exon structure of the MET gene and cloning of an alternatively-spliced Met isoform reveals frequent exon-skipping of a single large internal exon. *Oncogene.* 1998 Feb 19;16(7):833-42.

Prat M, Crepaldi T, Pennacchietti S, Bussolino F, Comoglio PM. Agonistic monoclonal antibodies against the Met receptor dissect the biological responses to HGF. *J Cell Sci.* 1998 Jan;111 ( Pt 2):237-47.

### Related Products

11-4811 Anti-Rat IgG FITC

12-4822 F(ab')<sub>2</sub> Anti-Rat IgG PE (polyclonal)

14-4301 Rat IgG1 K Isotype Control Purified

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