

Mouse anti-c-Met

Publication Part no. MAN0005391

Rev. 1.01

Catalog Number: 370100

Store at 2 to 8°C (short-term), or –20°C (long-term)

Clonality: Monoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Mouse IgG_{2a}
Reactivity: Human

Product Description

The c-Met protein is a receptor tyrosine kinase encoded by the c-Met proto-oncogene. c-Met, also known as HGF receptor or SF receptor, is activated by hepatocyte growth factor (HGF) or scatter factor (SF), and is composed of alpha and beta subunits linked by disulfide bonds. The alpha subunit of c-Met is extracellular and heavily glycosylated; the beta subunit contains an extracellular portion involved in ligand binding, a transmembrane segment, and a cytoplasmic tyrosine kinase domain. The truncated cytoplasmic region of c-Met has constitutive kinase activity and is oncogenic, but requires the first 39 amino acids of the juxtamembrane domain and the regulatory tyrosine in the catalytic domain to enact its transforming potential. This antibody is specific for the cytoplasmic domain of the c-Met protein. On Western blots, it identifies a band at ~145 kDa. During development reactivity was confirmed with human HT-29 breast carcinoma lysates and c-Met cytoplasmic domain recombinant protein by Western blot, and with formalin-fixed, paraffin-embedded breast carcinoma tissues by immunohistochemistry.

Product Specifications

Immunogen: Synthetic peptide derived from the cytoplasmic domain of the human c-Met (hepatocyte growth factor (HGF) receptor, scatter factor (SF) receptor) protein.
Apparent MW: ~145 kDa
Clone/PAD: 3D4
Lot: See product label

Product Applications

Application	Species	Concentration
Immunohistochemistry*	Human	5–10 µg/mL
Western Blotting	Human	1–3 µg/mL
ELISA	Immunogen	0.1–1.0 µg/mL

* For immunohistochemistry with formalin-fixed, paraffin-embedded tissues, heat induced epitope retrieval (HIER) with citrate buffer, pH 6.0, is required prior to staining. Recommended antibody incubation period is overnight at 4°C.

Storage and Handling

Store at 2 to 8°C for up to one month. Store at –20°C for long-term storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

Phosphate buffered saline (PBS), pH 7.4, containing 0.1% sodium azide.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.lifetechnologies.com/support.








Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.lifetechnologies.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

For research use only. Not for use in diagnostic procedures.

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Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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11 June 2014