

# Anti-BRAF Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M010825

## Product Information

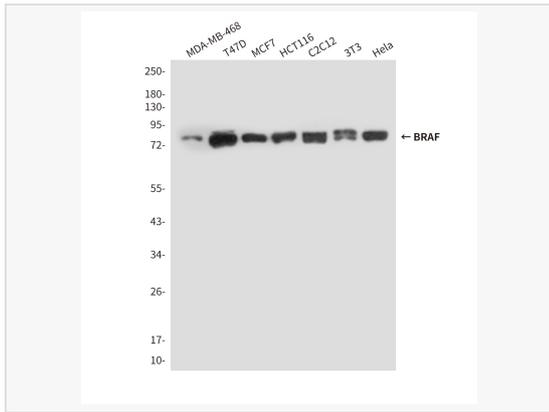
Application	WB, ELISA
Reactivity	Mouse (Cell), Human
Dilution	WB 1:500~1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	29M43L94
Isotype	IgG2a
Label	Unconjugated
Immunogen	Purified recombinant human B Raf protein fragments expressed in E.coli.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-BRAF antibody [29M43L94] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	BRAF, BRAF1, RAFB1, Serine/threonine-protein kinase B-raf, Proto-oncogene B-Raf, p94, v-Raf murine sarcoma viral oncogene homolog B1.
Calculated MW	Calculated MW: 84 kDa; Observed MW: 87 kDa
Uniprot ID	P15056
Gene ID	673
Background	Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. May play a role in the postsynaptic responses of hippocampal neuron. Frequently mutated in thyroid cancers, skin melanomas and at lower frequency in a wide range of human cancers. An activating mutation, mimicking phosphorylation of the activation loop, is seen in 60% of malignant melanoma samples. Raf mutations are generally exclusive to Ras activating mutations.

## Validation Images

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Western blot analysis of B Raf in MDA-MB-468, T47D, MCF-7, HCT116, C2C12, 3T3 and HeLa lysates using B Raf antibody.