

PRODUCT INFORMATION SHEET

	Format: PURE	RUO	REF	IQP-1269P	Volume:	0.1ml		
	Description							
Clone	1H12							
Isotype	Mouse IgG1							
Specificity	BRAF							
Alternative names	BRAF1; RAFB1; B-RAF1; FLJ95109							
Species	Human, Mouse							
Immunogen	Purified recombinant fragment of human BRAF expressed in E. Coli.							
Mw	87kDa							
Format	Ascitic fluid containing 0.03% sodium azide.							
Applications	activate the MEK-MAP kinase pathway. B-Raf contains three consensus Akt phosphorylationsites (Ser364, Ser428, and Thr439). B-Raf is a key regulatory molecule of the mitogen-activated protein kinase kinase (MEK), it has a long amino-terminal region, the region is essential for homo dimerization of B-Raf and hetero-dimerization of B-Raf and c-Raf at the plasma membrane followed by phosphorylation of Thr118 in the amino-terminal B-Raf-specific region. Notably, in calcium ionophore-stimulated HeLa cells, B-Raf could propagate signals to MEK under the basa level of GTP-Ras. Expression of Raf-B is highly restricted with highestlevels in the cerebrum and testes and defects in braf are involved in a wide range of cancers. The BRAF gene mutation is frequently detected in papillary thyroid carcinoma, melanocytic nevi, primary cutaneous melanomas and colorectal cancers.							
	1/200 - 1/1000. ELI dilutions by titration	SA: 1/10000. Not	yet tested		ions. Determin	e optimal working		
Limitations	 Conjugates with brighter fluorochromes, like PE and APC, will have a greater separation th those with dyes like FITC and CyQ. When populations overlap, the percentage of positive ce using a selected marker can be affected by the choice of fluorescent label. Use of monoclonal antibodies in patient treatment can interfere with antigen target recogniti by this reagent. This should be taken into account when samples are analyzed from patient treated in this fashion. IQ Products has not characterized the effect of the presence therapeutic antibodies on the performance of this reagent. Reagents can be used in different combinations, therefore laboratories need to becom familiar performance characteristics of each antibody in relation with the combined markers normal and abnormal samples. Reagent data performance is based on EDTA-treated blood. Reagent performance can affected by the use of other anticoagulants. 							

Store the vials at 2-8 °C for a maximum of 2 weeks and store at -20°C for longer term storage. Monoclonal antibodies should be protected from prolonged exposure to light when conjugated with fluorochromes. Reagents are stable for the period shown on the vial label when stored properly.

Warranty Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product. IQ Products is not liable for property damage, personal injury, or economic loss caused by the product.

Characterization

To ensure consistently high-quality reagents, each batch of monoclonal antibody is tested for conformance with characteristics of a standard reagent.

Warning All products contain sodium azide. This chemical is poisonous and hazardous. Handling should be done by trained staff only.

References

1.J Clin Oncol. 2008 Dec 10;26(35):5705-12. 2.Endocr Relat Cancer. 2006 Mar;13(1):257-69.

Explanation of used symbols

REF ♥ A * RUO LOT 2	Catalogue number Sufficient for Caution, consult acco Keep away from (sur Biological risks Temperature limitation For Research Use On Batch code	Sufficient for Caution, consult accompanying document Keep away from (sun)light Biological risks Temperature limitation (°C) For Research Use Only Batch code Use by yyyy-mm-dd					
P F R C A PC PCC	PURE FITC R-PE CyQ APC PerCP PerCP-Cy5.5	Label - tandem purified material FITC PE PE-Cy5.18	Ex -max (nm) 488 488, 532 488, 532 595, 633, 635, 647 488, 532 488, 532	Em -max (nm) 519 578 667 660 678 695			



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