

## **PRODUCT INFORMATION SHEET**

Mouse Moi	noclonal Antibody to F	AK					
	Format: PURE	O	REF	IQP-1406	P	Volume:	0.1ml
	Description						
Clone	10H7A6						
Isotype	Mouse IgG1						
Specificity	FAK						
Alternative names	FAK; FADK; FAK1; FRNK; pp1	25FAK; PTK2	2				
Species	Human						
Immunogen	Purified recombinant fragment	t of human F	AK expr	essed in E.	Coli.		
Mw	119kDa						
Format	Ascitic fluid containing 0.03%	sodium azid	e.				
Summary	This gene encodes a cytoplasm adhesions that form between. The encoded protein is a mem- significant sequence similarity important early step in cell gra- response to certain neural per- four transcript variants encodi full-length natures of only two organs tested, in lymphoid cel (FAK) is a ubiquitously express focal adhesions that form betw constituents. This cellular loca a 125 amino acid sequence at spreading, differentiation, cyto G1 to S phase transition of the such as Src-family PTKs, p130 function within a network of in targets such as the ERK and J oncogenes at biochemical and various tumors has been correc cells in addition to promoting	cells growing ber of the F/ to kinases fi owth and intro- bides or to c ing four diffe o of them hav I lines, but n sed non-rece ween cells gn lization is dir the C-termin oskeleton pro- e cell cycle. I DCas, Shc, Gro tegrin-stimu NK/mitogen- functional le elated with en increased cel	in the AK subfa rom oth racellula ell inter rent iso ve been nost abue ptor pri- owing ir rected b nus. FAF otein ph it associ rb2, PI 3 ilated si activate activate Il prolife	presence of amily of pro er subfamili r signal tra actions with forms have determined indantly in otein tyrosin the preser y a "Focal A C plays an in osphorylation ates with se B-kinase, ar gnaling path d protein k creased exp I migration ration.	extracel tein tyro ies. Activ nsduction the extra been fou brain.RD ne kinase ince of ex Adhesion mportant on, apop everal diff hways le inase par oression and inva	lular matrix sine kinases vation of this n pathways racellular m und for this specificity: : Focal adhe that is con tracellular r Targeting" t role in mig tosis and ac ferent signa ading to the and/or activ siveness of	constituents. s but lacks s gene may be a triggered in atrix. At least gene, but the Expressed in all esion kinase 1 iccentrated in the natrix (FAT) sequence, iration, cell celeration of the aling proteins oles FAK to e activation of ( is also linked to vity of FAK in human tumor
Applications	Western Bloting: 1/500 - 1/20 applications.Determining optir					t yet tested	in other
Limitations	<ol> <li>Conjugates with brighter f those with dyes like FITC using a selected marker c</li> <li>Use of monoclonal antiboc by this reagent. This shou treated in this fashion. IQ therapeutic antibodies on</li> <li>Reagents can be used in c familiar performance char normal and abnormal sam</li> <li>Reagent data performance affected by the use of otheral</li> </ol>	and CyQ. Wh an be affecte lies in patien ld be taken i Products has the performa lifferent com acteristics of pples. e is based on	ten population d by the t treatmento accord s not chance of t bination d each ar	ulations over e choice of f nent can int bunt when s aracterized this reagent s, therefore ntibody in re	rlap, the fluoresce erfere wi samples a the effect the effect e laborate elation w	e percentage int label. ith antigen f are analyze ot of the pre ories need t ith the com	e of positive cells arget recognition d from patients sence of o become bined markers in

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### Handling and Storage

Antibodies are supplied in 0.01 M sodium phosphate, 0.15 M NaCl; pH 7.3, 0.03% sodiumazide (NaN3) or as ascetic fluid containing 0.03% sodiumazide. 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. Representative flow cytometric data is included in this data sheet.
- **Warning** All products contain sodiumazide. This chemical is poisonous and hazardous. Handling should be done by trained staff only.

**References** 1. J Biol Chem. 2009 Aug 21;284(34):22865-77. 2. Biochem Biophys Res Commun. 2009 Oct 16;388(2):301-5.

### Explanation of used symbols

REF ▼	Consult instructions for use
	Catalogue number Sufficient for
	Caution, consult accompanying document
*	Keep away from (sun)light
æ	Biological risks
<u>*</u>	Temperature limitation (°C)
RUO LOT	For Research Use Only
LOT	Batch code
2	Use by yyyy-mm-dd
	Manufacturer bright tulorosconco
EC REP	Authorized Representative in the European Community
CE	Conformité Européenne (European Conformity)

P F C A	PURE FITC R-PE CyQ APC	Label - tandem purified material FITC PE PE-Cy5.18	<b>Ex -max (nm)</b> - 488 488, 532 488, 532 595, 633, 635, 647	<b>Em -max (nm)</b> - 519 578 667 660 670
PC	PerCP		488, 532	678
PCC	PerCP-Cy5.5		488, 532	695

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