

PRODUCT INFORMATION SHEET

noclonal Antibod	y to CDKN2	A			
Format: PURE	RUO	REF	IQP-1801P	Volume:	0.1ml
Description					
1D7D2					
Mouse IgG1					
CDKN2A					
			FP16; CDK4I; CDF	KN2; INK4A; N	1TS-1; P14ARF;
Human,					
Purified recombinant f	ragment of hum	an CDKN2A	(AA: 1-156) exp	ressed in E. C	oli.
16.5kDa					
Ascitic fluid containing	0.03% sodium	azide.			
alternatively spliced v structurally related isc transcript includes an this transcript contain structurally unrelated stabilizer of the tumor protein responsible for the CDK inhibitor isofc of CDK4 and p53 in ce control. This gene is fi	ariants encoding oforms known to alternate first ex- s an alternate op to the products suppressor pro- the degradation orms and the AR ell cycle G1 prog- requently mutate	distinct pro function as con located pen reading of the other tein p53 as n of p53. In F product e ression, sha	oteins have been inhibitors of CDk 20 Kb upstream frame (ARF) that r variants. This AF it can interact wit spite of the struct ncoded by this ge are a common fun	reported, two 4 kinase. The of the remaind specifies a pr RF product fun th, and seques tural and fund the, through the ctionality in co	of which encode remaining der of the gene; rotein which is ctions as a ster, MDM1, a ctional differences, ne regulatory roles ell cycle G1
	Format: PURE Description 1D7D2 Mouse IgG1 CDKN2A ARF; MLM; P14; P16; P19ARF; P16INK4; P1 Human, Purified recombinant f 16.5kDa Ascitic fluid containing This gene generates s alternatively spliced va structurally related isc transcript includes an this transcript contains structurally unrelated stabilizer of the tumor protein responsible for the CDK inhibitor isofc of CDK4 and p53 in ce control. This gene is fr	Format: PURE RUO Description 1D7D2 Mouse IgG1 CDKN2A ARF; MLM; P14; P16; P19; CMM2; INK P19ARF; P16INK4; P16INK4A; P16-IN Human, Purified recombinant fragment of hum 16.5kDa Ascitic fluid containing 0.03% sodium This gene generates several transcript alternatively spliced variants encoding structurally related isoforms known to transcript includes an alternate of structurally unrelated to the products stabilizer of the tumor suppressor prof protein responsible for the degradation the CDK inhibitor isoforms and the AR of CDK4 and p53 in cell cycle G1 proge	Description 1D7D2 Mouse IgG1 CDKN2A ARF; MLM; P14; P16; P19; CMM2; INK4; MTS1; T P19ARF; P16INK4; P16INK4A; P16-INK4A Human, Purified recombinant fragment of human CDKN2A 16.5kDa Ascitic fluid containing 0.03% sodium azide. This gene generates several transcript variants w alternatively spliced variants encoding distinct pro structurally related isoforms known to function as transcript includes an alternate first exon located this transcript contains an alternate open reading structurally unrelated to the products of the other stabilizer of the tumor suppressor protein p53 as protein responsible for the degradation of p53. In the CDK inhibitor isoforms and the ARF product e of CDK4 and p53 in cell cycle G1 progression, sha control. This gene is frequently mutated or deleted	Format: PURE RUO REF IQP-1801P Description 1D7D2 Mouse IgG1 CDKN2A ARF; MLM; P14; P16; P19; CMM2; INK4; MTS1; TP16; CDK4I; CDF P19ARF; P16INK4; P16INK4A; P16-INK4A Human, Purified recombinant fragment of human CDKN2A (AA: 1-156) exp 16.5kDa Ascitic fluid containing 0.03% sodium azide. This gene generates several transcript variants which differ in their alternatively spliced variants encoding distinct proteins have been structurally related isoforms known to function as inhibitors of CDK transcript includes an alternate open reading frame (ARF) that structurally unrelated to the products of the other variants. This AF stabilizer of the tumor suppressor protein p53 as it can interact with protein responsible for the degradation of p53. In spite of the struct the CDK inhibitor isoforms and the ARF product encoded by this ge of CDK4 and p53 in cell cycle G1 progression, share a common fun control. This gene is frequently mutated or deleted in a wide variet	Format: PURE RUO REF IQP-1801P Volume: Description 1D7D2 Mouse IgG1 CDKN2A ARF; MLM; P14; P16; P19; CMM2; INK4; MTS1; TP16; CDK4I; CDKN2; INK4A; M PI9ARF; P16INK4; P16INK4A; P16-INK4A Human, Purified recombinant fragment of human CDKN2A (AA: 1-156) expressed in E. C 16.5kDa Ascitic fluid containing 0.03% sodium azide. This gene generates several transcript variants which differ in their first exons. A alternatively spliced variants encoding distinct proteins have been reported, two structurally related isoforms known to function as inhibitors of CDK4 kinase. The transcript contains an alternate open reading frame (ARF) that specifies a prestructurally unrelated to the products of the other variants. This ARF product fun stabilizer of the tumor suppressor protein p53 as it can interact with, and seques protein responsible for the degradation of p53. In spite of the structural and funct of CDK4 and p53 in cell cycle G1 progression, share a common functionality in cc control. This gene is frequently mutated or deleted in a wide variety of tumors, and the ARF product encoded by this gene, through the CDK inhibitor isoforms and the ARF product encoded by this gene, through the CDK and p53 in cell cycle G1 progression, share a common functionality in cc

Applications ELISA: 1/10000; WB: 1/500 - 1/2000; IHC: 1/200 - 1/1000; FCM: 1/200 - 1/400

Limitations

- 1. Conjugates with brighter fluorochromes, like PE and APC, will have a greater separation than those with dyes like FITC and CyQ. When populations overlap, the percentage of positive cells using a selected marker can be affected by the choice of fluorescent label.
- 2. Use of monoclonal antibodies in patient treatment can interfere with antigen target recognition by this reagent. This should be taken into account when samples are analyzed from patients treated in this fashion. IQ Products has not characterized the effect of the presence of therapeutic antibodies on the performance of this reagent.
- 3. Reagents can be used in different combinations, therefore laboratories need to become familiar performance characteristics of each antibody in relation with the combined markers in normal and abnormal samples.
- 4. Reagent data performance is based on EDTA-treated blood. Reagent performance can be affected by the use of other anticoagulants.

⚠ 💩 🔏 🛣 🎴

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.Clin Cancer Res. 2011 Dec 1;17(23):7413-23. 2.Appl Immunohistochem Mol Morphol. 2011 Dec;19(6):562-8.

Explanatio	n of used symbols
ī	Consult instructions for use
REF V	Catalogue number
V	Sufficient for
	Caution, consult accompanying document
*	Keep away from (sun)light
æ	Biological risks
<u>*</u>	Temperature limitation (°C)
RUO	For Research Use Only
LOT	Batch code
$\mathbf{\Sigma}$	Use by yyyy-mm-dd Manufacturer Originat Tuorescence
ECREP	Authorized Representative in the European Community
CE	Conformité Européenne (European Conformity)

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

IQ Products BV

Rozenburglaan 13a 9727 DL Groningen, The Netherlands

- +31 (0)50 57 57 000
- ∃ +31 (0)50 57 57 002
- Technical <u>marketing@iqproducts.nl</u>
- Orders <u>orders@iqproducts.nl</u>
- <u>www.iqproducts.nl</u>