

PRODUCT INFORMATION SHEET

Mouse Monoclonal Antibody to AURKA

Format: PURE RUO REF IQP-1527P Volume: 0.1ml

Description

Clone 1F8

Isotype Mouse IgG1
Specificity AURKA

Alternative names

AIK; ARK1; AURA; BTAK; STK6; STK7; STK15; AURORA2; MGC34538; AURKA

Species Human, Monkey & Rat

Immunogen Purified recombinant fragment of human AURKA expressed in E. Coli.

Mw 48kDa

Format Ascitic fluid containing 0.03% sodium azide.

Summary

Aurora A plays a role in cell cycle regulation during anaphase and/or telophase, in relation to the function of the centrosome/spindle pole region during chromosome segregation. Aurora A plays a key role during tumor development and progression and is overexpressed in many human cancers including breast, ovarian and colorectal. Aurora A is viewed as a potential target for anticancer drug treatment. Tissue specificity: Highly expressed in testis and weakly in skeletal muscle, thymus and spleen. Also highly expressed in colon, ovarian, prostate, neuroblastoma, breast and cervical cancer cell lines.

Applications

Western Bloting: 1/500 - 1/2000.Immunofluorescence: 1/200 - 1/1000.Flow cytometry: 1/200 - 1/400.ELISA: Propose dilution 1/10000.Not yet tested in other applications.Determining optimal working dilutions by titration test.

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.
- 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.

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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.

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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.

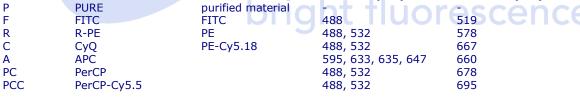
References 1. Cell Cycle. 2008 Nov 15;7(22):3525-33. 2. Oncogene. 2008 Nov 20;27(51):6539-49.

Explanation of used symbols

	Consult instructions for use			
REF	Catalogue number			
E .	Sufficient for			
\triangle	Caution, consult accompanying document			
巻	Keep away from (sun)light			
፟	Biological risks			
*	Temperature limitation (°C)			
RUO	For Research Use Only			
LOT	Batch code			
2	Use by yyyy-mm-dd			
"	Manufacturer			
EC REP	Authorized Representative in the European Community			

Conformité Européenne (European Conformity)

	Label - tandem	Ex -max (nm)	Em -max (nm)
PURE	purified material	ibt tluor	'ACCANCA
FITC	FITC DI IU	488	519
R-PE	PE -	488, 532	578
CyQ	PE-Cy5.18	488, 532	667
APC	•	595, 633, 635, 647	660
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