

Product datasheet for TA336917

Aurora A (AURKA) Mouse Monoclonal Antibody [Clone ID: 1F8]

Product data:

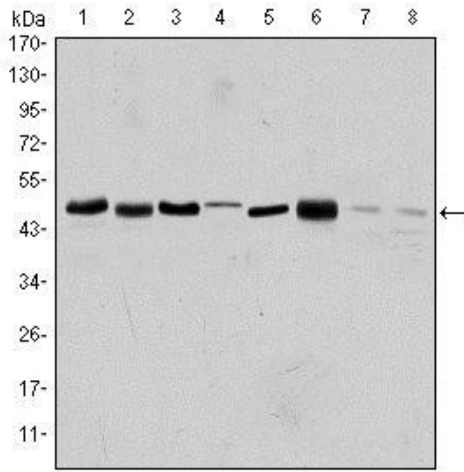
Product Type:	Primary Antibodies
Clone Name:	1F8
Applications:	ELISA, FC, IF, WB
Recommend Dilution:	WB: 1:500-1:2000, ELISA: 1:10000, FC: 1:200-1:400, IF: 1:200-1:1000
Reactivity:	Human, Primate, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human Aurora A expressed in E. coli. [UniProt# O14965]
Formulation:	PBS, 0.03% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	1 mg/ml
Purification:	Ammonium sulfate precipitation
Predicted Protein Size:	48 kDa
Gene Name:	aurora kinase A
Database Link:	NP_940835 Entrez Gene 261730 RatEntrez Gene 6790 Human
Background:	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.
Synonyms:	AIK; ARK1; AURA; BTAK; PPP1R47; STK6; STK7; STK15
Note:	This Aurora A (1F8) antibody is useful for Western blot, Immunocytochemistry/Immunofluorescence, Flow Cytometry and ELISA.
Protein Families:	Druggable Genome, Protein Kinase, Stem cell - Pluripotency



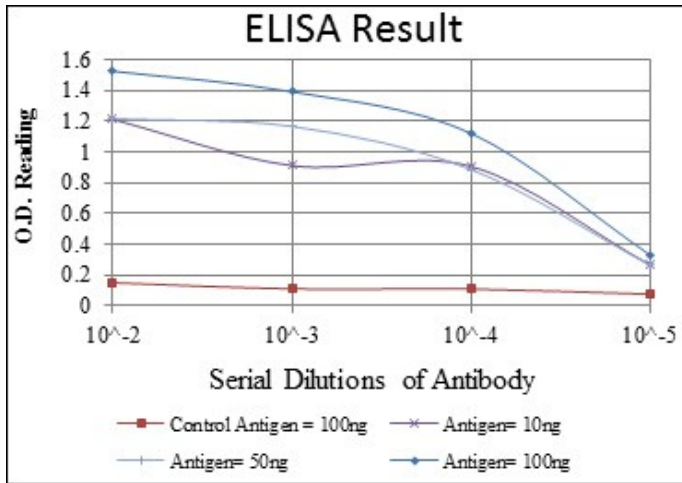
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Protein Pathways: Oocyte meiosis

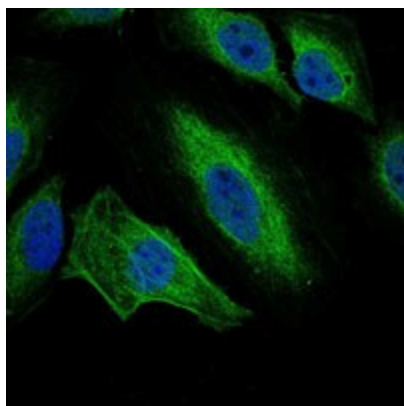
Product images:



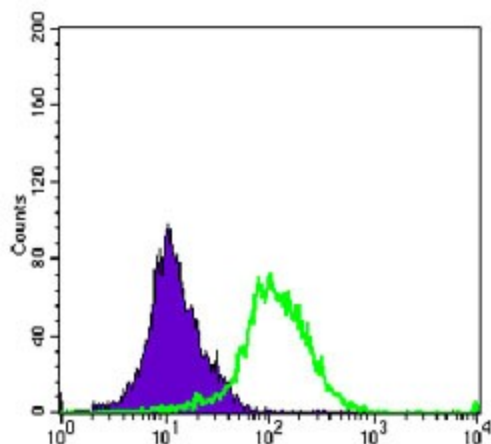
Western Blot: Aurora A Antibody (1F8) TA336917 - Western blot analysis using Aurora A mouse mAb against HEK293 (1), Sw620 (2), MCF-7 (3), Jurkat (4), Hela (5), HepG2 (6), Cos7 (7) and PC-12 (8) cell lysate.



ELISA: Aurora A Antibody (1F8) TA336917 - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng).



Immunocytochemistry/Immunofluorescence:
Aurora A Antibody (1F8) TA336917 -
Immunofluorescence analysis of HeLa cells using
Aurora A mouse mAb (green). Blue: DRAQ5
fluorescent DNA dye.



Flow Cytometry: Aurora A Antibody (1F8)
TA336917 - Flow cytometric analysis of K562 cells
using Aurora A mouse mAb (green) and negative
control (purple).