

## 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, ICC/IF, WB
Recommended Dilution:	Flow Cytometry: 1:200-1:400, ELISA: 1:10000, Western Blot: 1:500-1:2000, Immunocytochemistry/ Immunofluorescence: 1:200-1:1000
Reactivity:	Human, Rat, Primate
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:	lot specific
Purification:	Ammonium sulfate precipitation
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	48 kDa
Gene Name:	aurora kinase A
Database Link:	<a href="#">NP_940835</a> <a href="#">Entrez Gene 261730 Rat</a> <a href="#">Entrez Gene 6790 Human</a> <a href="#">O14965</a>



[View online »](#)

**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:**

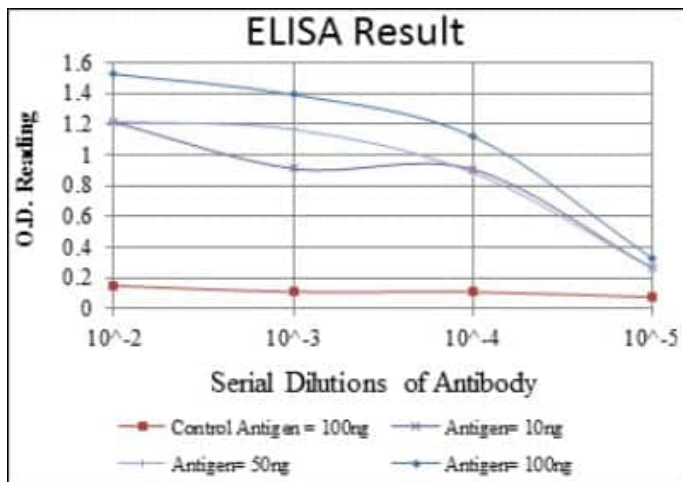
This Aurora A (1F8) antibody is useful for Western blot, Immunocytochemistry/Immunofluorescence, Flow Cytometry and ELISA.

**Protein Families:**

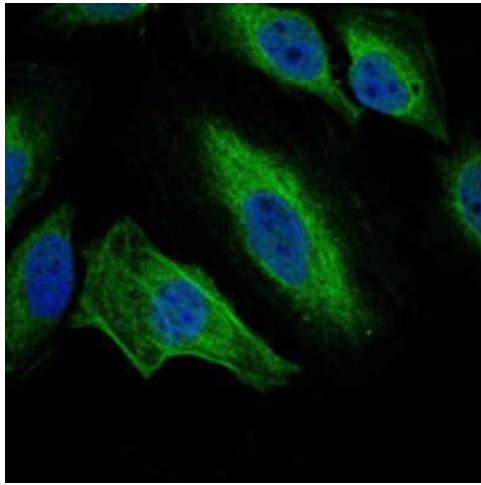
Druggable Genome, Protein Kinase, Stem cell - Pluripotency

**Protein Pathways:**

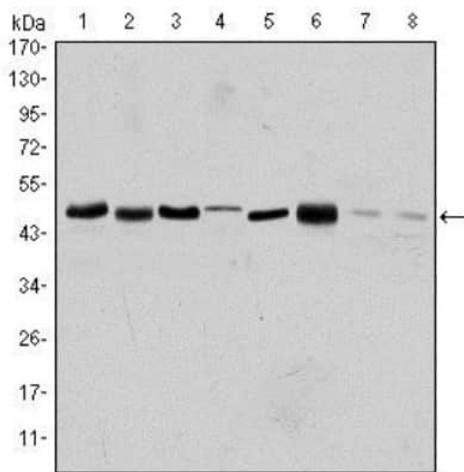
Oocyte meiosis

**Product images:**

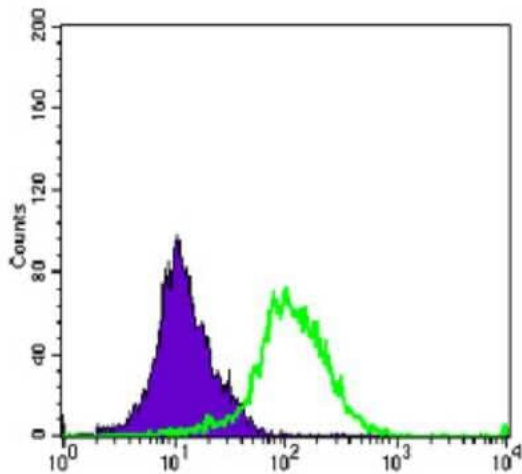
ELISA: Aurora A Antibody (1F8) TA336917 - Red: Control Antigen (100ng), Purple: Antigen (10ng), Green: Antigen (50ng), Blue: Antigen (100ng).



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



Western Blot: Aurora A Antibody (1F8) TA336917 - 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 lysates.



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