

# Product Datasheet

## Mitotic Cells Antibody (8B3G) [Janelia Fluor® 646] NBP1-97684JF646

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-97684JF646**

Mitotic Cells Antibody (8B3G) [Janelia Fluor® 646]

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	8B3G
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgM
<b>Conjugate</b>	Janelia Fluor 646
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate

Product Description	
<b>Host</b>	Mouse
<b>Species</b>	Human, Zebrafish
<b>Reactivity Notes</b>	Human
<b>Specificity/Sensitivity</b>	This antibody strongly stains mitotic cells and can therefore be used in flow cytometric analyses of cell suspensions to detect the mitotic index. Together with a quantitative DNA staining procedure (e.g. propidium iodide), it clearly distinguishes these M-phase cells from cell at other stages of the cell cycle (see figure). Dynamic information can be obtained by combining BrdU incorporation with staining, which can distinguish and quantitate the four major fractions of the cell cycle.
<b>Immunogen</b>	Derived by fusion of SP2/0-Ag14 Mouse myeloma cells with spleen cells from a mouse immunized with a total cell lysate of the human bladder carcinoma cell line T24.
<b>Notes</b>	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.

Product Application Details	
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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