

## GCM2 Antibody

Mouse Monoclonal Antibody [Clone PCR-P-GCM2-1B3]

Catalog No	Format	Size
9247-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
9247-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
9247-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

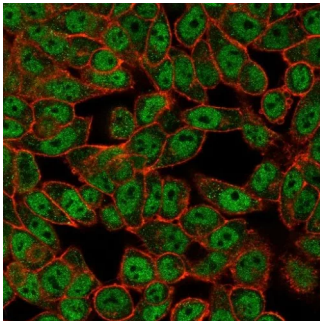
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

### Product Details

Clone	PCR-P-GCM2-1B3
Gene Name	GCM2
Immunogen	Recombinant human GCM2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	56.61kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa or MCF-7 cells.

\*Optimal dilution for a specific application should be determined.

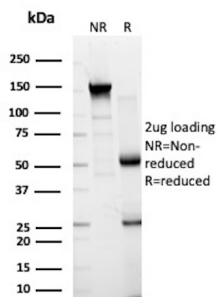
### Product Images for GCM2 Antibody



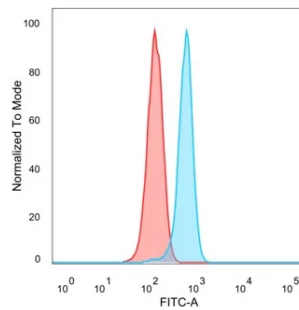
Immunofluorescence Analysis of PFA-fixed HeLa cells stained using GCM2 Mouse Monoclonal Antibody (PCR-P-GCM2-1B3) followed by goat anti-mouse IgG-CF488 (green). CF640R phalloidin (red).



Analysis of Protein Array containing more than 19,000 full-length human proteins using GCM2 Mouse Monoclonal Antibody (PCR-P-GCM2-1B3). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis of Purified Chorion-specific transcription factor GCMb Mouse Monoclonal Antibody (PCR-P-GCM2-1B3). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of PFA-fixed HeLa cells. GCM2 Mouse Monoclonal Antibody (PCR-P-GCM2-1B3) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

### Specificity & Comments

Gli3 cells missing homolog 2 (GCM2), also known as Chorion-specific transcription factor GCMb, is a 506 amino acid nuclear protein. GCM2 is a transcription factor that acts as an essential regulator of parathyroid development. GCM2 is also thought to mediate the effect of calcium on parathyroid hormone expression and secretion in parathyroid cells. GCM2 contains one N-terminal GCM domain, which has DNA binding activity. Mutations of the gene that encodes GCM2 are associated with hypoparathyroidism, an autosomal recessive condition characterized by hypocalcemia and hyperphosphatemia.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.