

## FCGRT / FcRn (IgG Transporter) Antibody

Mouse Monoclonal Antibody [Clone FCGRT/2932]

Catalog No	Format	Size
2217-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2217-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2217-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

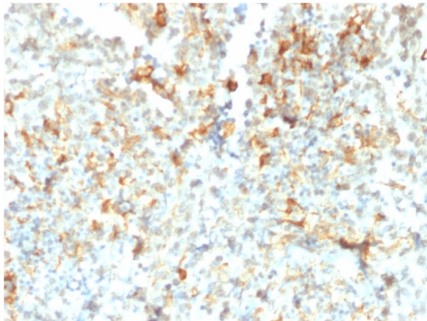
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

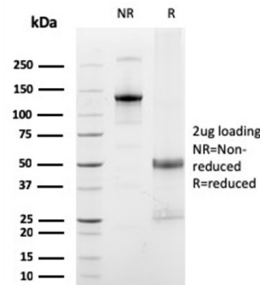
<b>Clone</b>	FCGRT/2932
<b>Gene Name</b>	FCGRT
<b>Immunogen</b>	Recombinant fragment of human FCGRT protein (around aa 24-215) (Exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b / Kappa
<b>Mol. Weight of Antigen</b>	46kDa
<b>Cellular Localization</b>	Cell membrane, Endosome membrane
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	THP1 or HepG2 cells. Cerebellum or Testis.

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

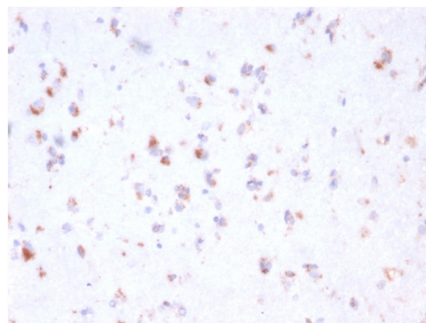
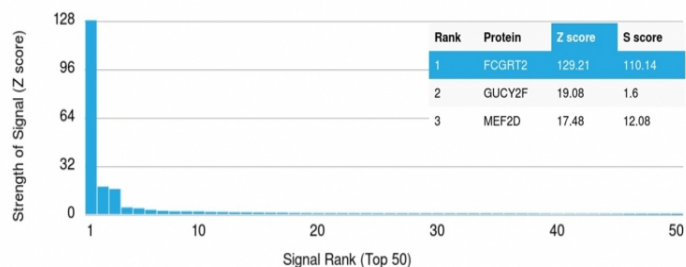
### Product Images for FCGRT / FcRn (IgG Transporter) Antibody



Formalin-fixed, paraffin-embedded human Testicular Cancer stained with FCGRT Mouse Monoclonal Antibody (FCGRT/2932).



SDS-PAGE Analysis of Purified FCGRT Mouse Monoclonal Antibody (FCGRT/2932). Confirmation of Integrity and Purity of Antibody.



Formalin-fixed, paraffin-embedded human Cerebellum stained with FCGRT Mouse Monoclonal Antibody (FCGRT/2932).

Analysis of Protein Array containing >19,000 full-length human proteins using FCGRT Mouse Monoclonal Antibody (FCGRT/2932) 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.

### Specificity & Comments

This gene encodes a receptor that binds the Fc region of monomeric immunoglobulin G. FCGRT is present in the intestinal epithelium of neonates and mediates the selective uptake of immunoglobulin G (IgG) in mothers' milk, thereby helping newborn to acquire passive immunity. FCGRT is comprised of a heavy chain and -2-Microglobulin. FCGRT localizes in endosomes of vascular endothelial cells and selectively recycles IgG to the cell surface, thus protecting IgG from lysosomal degradation.

### 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.