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Product datasheet for CF500647

CD32A (FCGR2A) Mouse Monoclonal Antibody [Clone ID: OTI19C10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI19C10
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	WB 1:200 - 1:1000, IHC 1:50, IF 1:100, FLOW 1:100, IP 2ug/500ul
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FCGR2A (NP_067674) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34.7 kDa
Gene Name:	Fc fragment of IgG receptor IIa
Database Link:	NP_067674 Entrez Gene 2212 Human P12318

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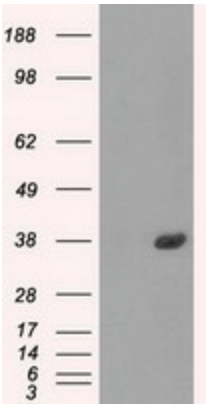
Background: This gene encodes one member of a family of immunoglobulin Fc receptor genes found on the surface of many immune response cells. The protein encoded by this gene is a cell surface receptor found on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Synonyms: CD32; CD32A; CDw32; FCG2; FcGR; FCGR2; FCGR2A1; IGFR2

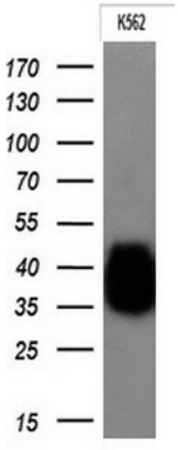
Protein Families: ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Fc gamma R-mediated phagocytosis, Systemic lupus erythematosus

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FCGR2A ([RC205786], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FCGR2A. Positive lysates [LY402871] (100ug) and [LC402871] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 1 cell line by using anti-FCGR2A monoclonal antibody at 1:200.

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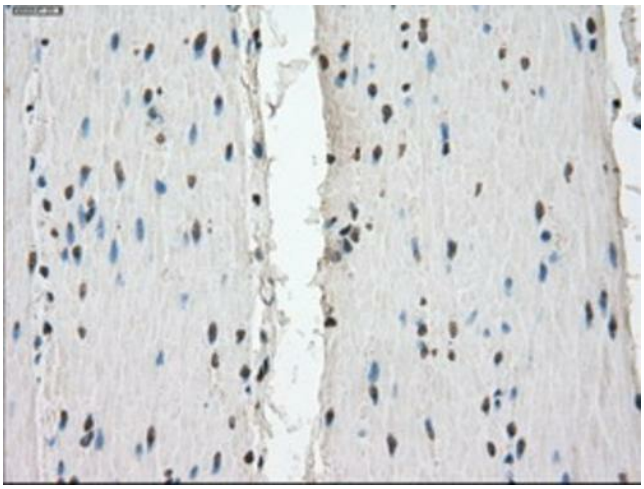
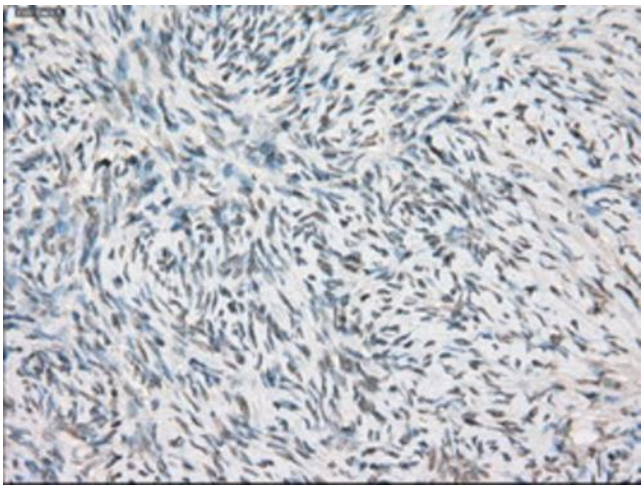
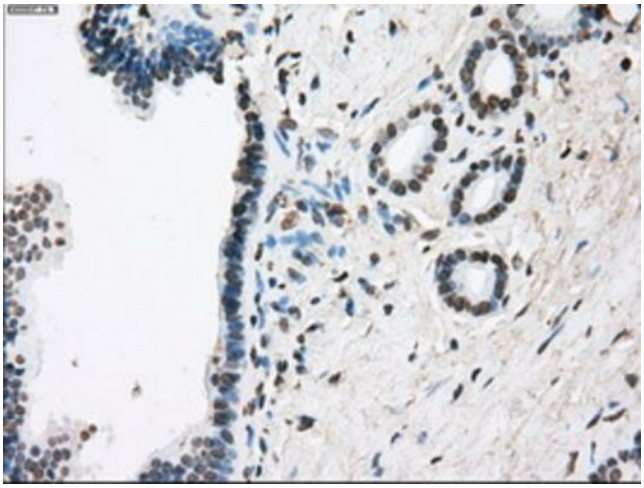


Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-FCGR2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500647])



Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-FCGR2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500647])



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-FCGR2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500647])

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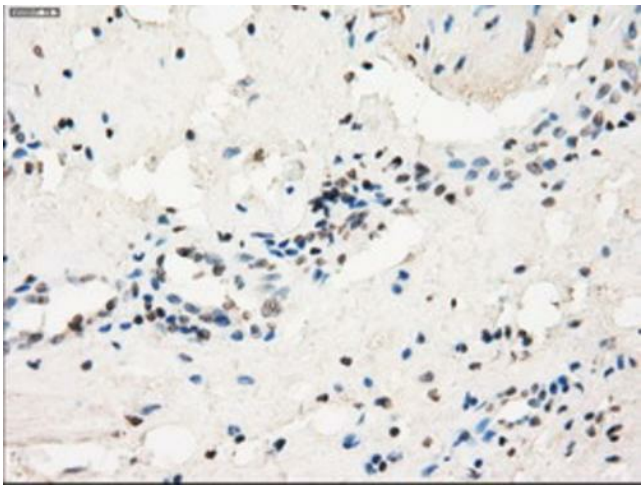
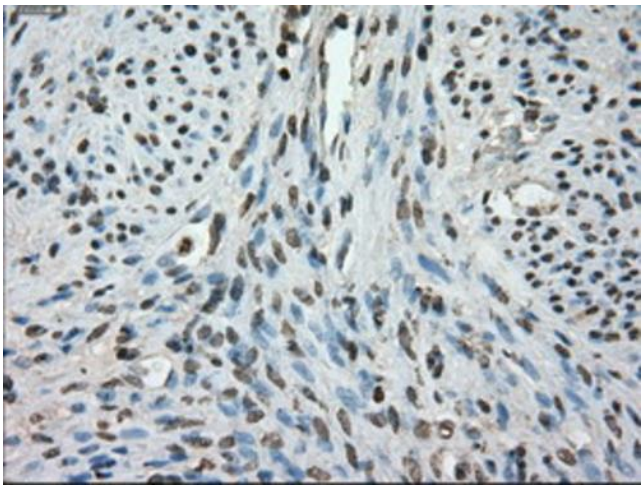
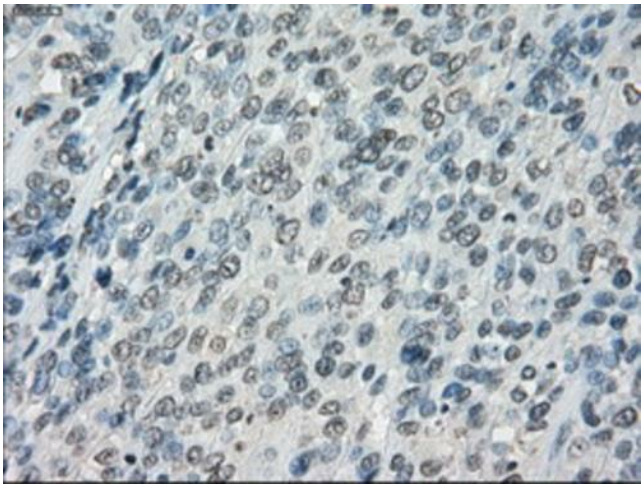


Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-FCGR2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500647])



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-FCGR2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500647])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-FCGR2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500647])

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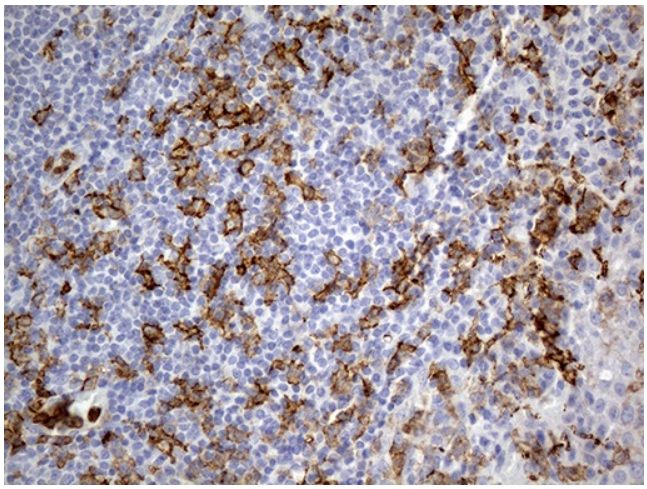
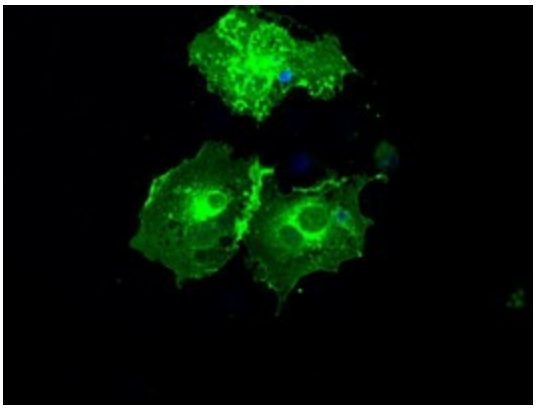
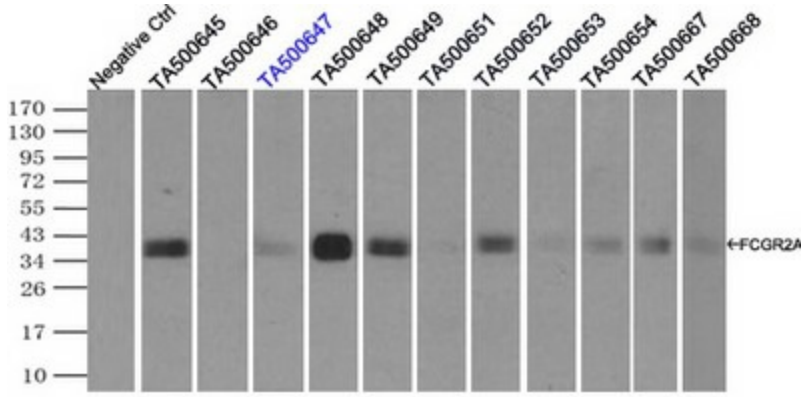


Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-FCGR2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA500647]) (1:500)



Anti-FCGR2A mouse monoclonal antibody ([TA500647]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY FCGR2A ([RC205786]).



Immunoprecipitation (IP) of FCGR2A by using TrueMab monoclonal anti-FCGR2A antibodies (Negative control: IP without adding anti-FCGR2A antibody.). For each experiment, 500ul of DDK tagged FCGR2A overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-FCGR2A antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.

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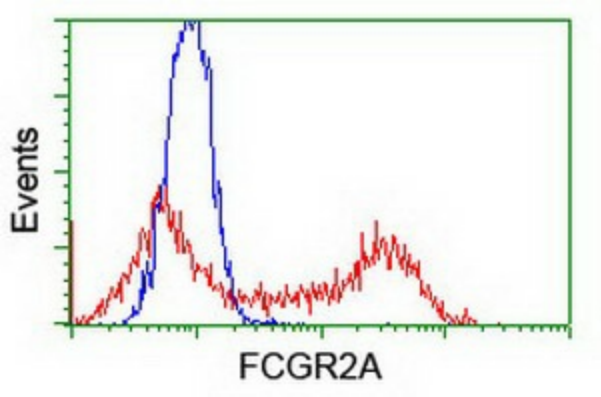

HEK293T cells transfected with either [RC205786] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-FCGR2A antibody ([TA500647]), and then analyzed by flow cytometry.

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