

## Product datasheet for **UM500062**

### CD64 (FCGR1A) Mouse Monoclonal Antibody [Clone ID: UMAB74]

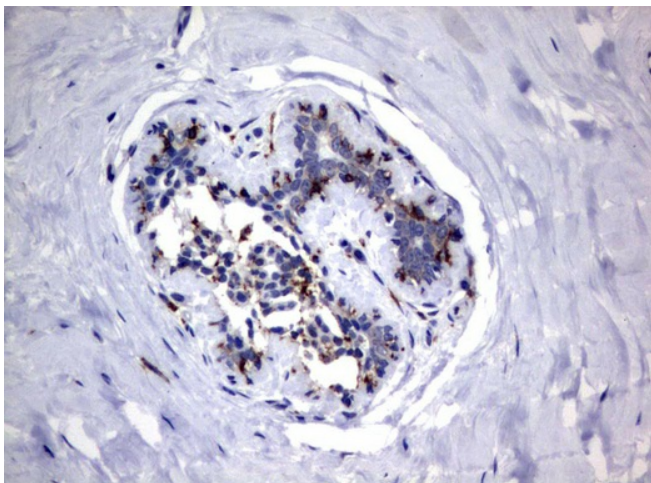
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB74
Applications:	10k-ChIP, FC, IHC, WB
Recommended Dilution:	IHC 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FCGR1A(NP_000557) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
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:	42.5 kDa
Gene Name:	Fc fragment of IgG receptor Ia
Database Link:	<a href="#">NP_000557</a> <a href="#">Entrez Gene 2209 Human</a> <a href="#">P12314</a>
Background:	This gene encodes a protein that plays an important role in the immune response. This protein is a high-affinity Fc-gamma receptor. The gene is one of three related gene family members located on chromosome 1. [provided by RefSeq, Jul 2008]
Synonyms:	CD64; CD64A; FCRI; IGFR1
Protein Families:	Transmembrane

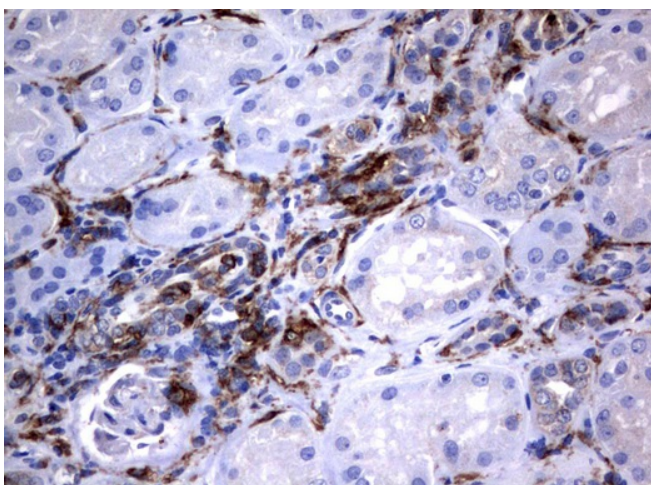

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**Protein Pathways:** Fc gamma R-mediated phagocytosis, Hematopoietic cell lineage, Systemic lupus erythematosus

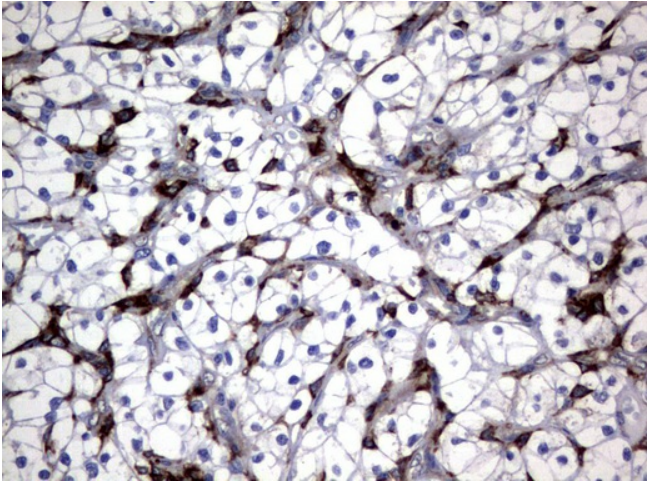
## Product images:



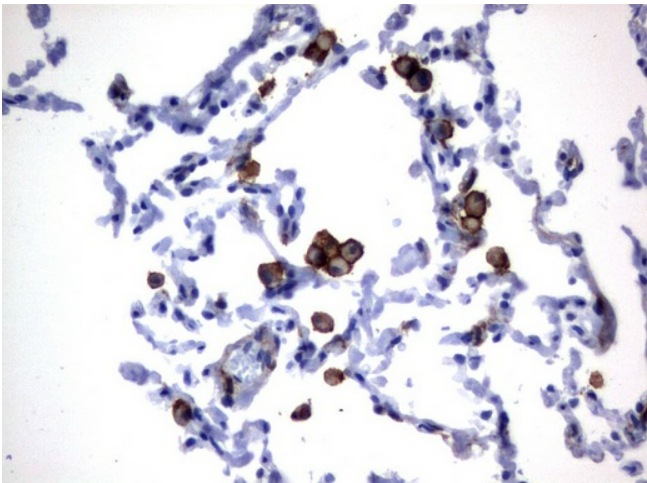
Immunohistochemical staining of paraffin-embedded Human breast tissue using anti-FCGR1A mouse monoclonal antibody. (UM500062; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min) (1:100)



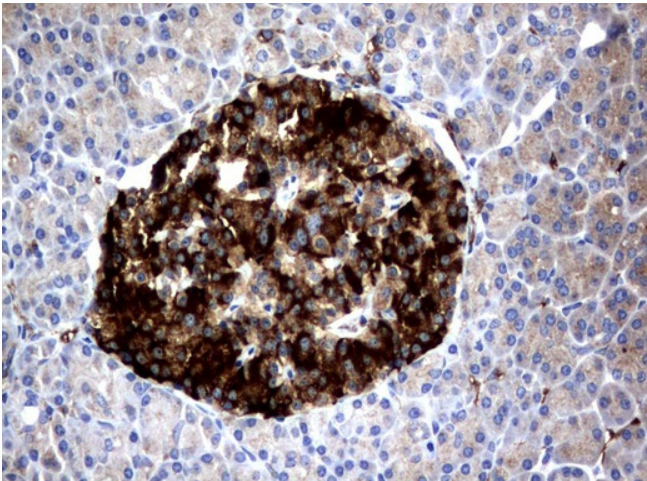
Immunohistochemical staining of paraffin-embedded Human Kidney tissue using anti-FCGR1A mouse monoclonal antibody. (UM500062; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min) (1:100)



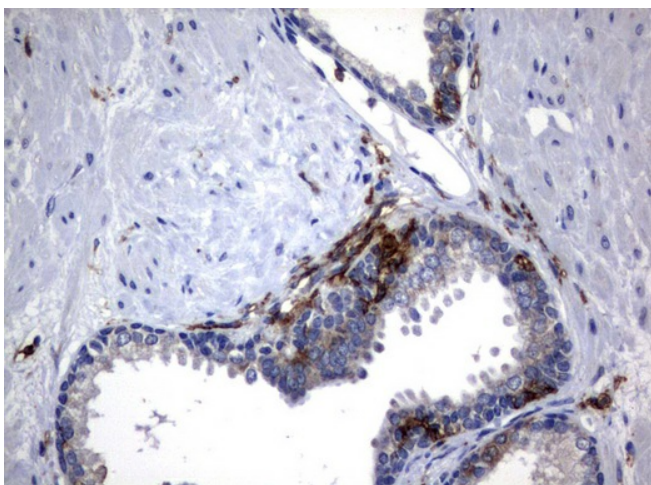
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-FCGR1A mouse monoclonal antibody. (UM500062; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



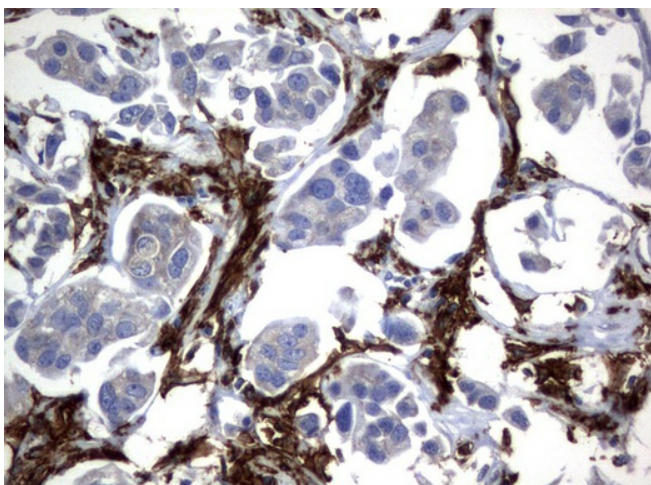
Immunohistochemical staining of paraffin-embedded Human lung tissue using anti-FCGR1A mouse monoclonal antibody. (UM500062; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



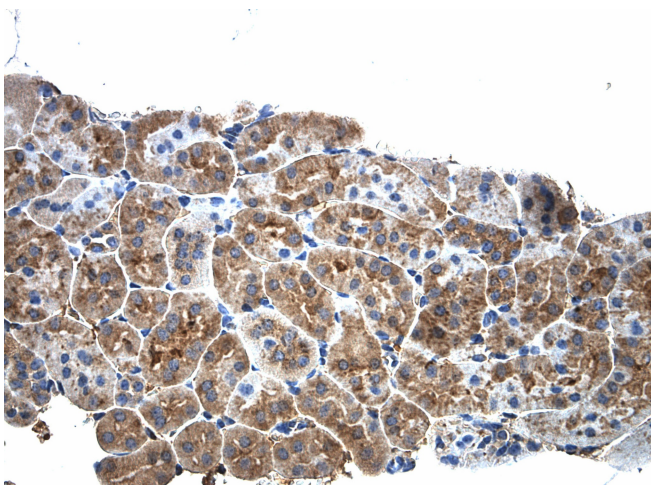
Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-FCGR1A mouse monoclonal antibody. (UM500062; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



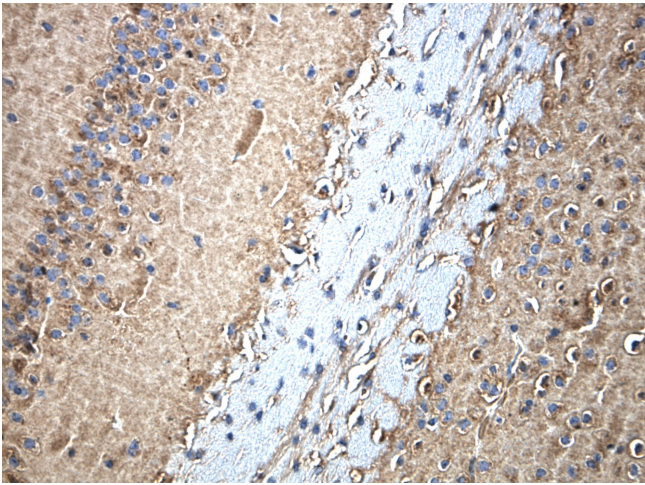
Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-FCGR1A mouse monoclonal antibody. (UM500062; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



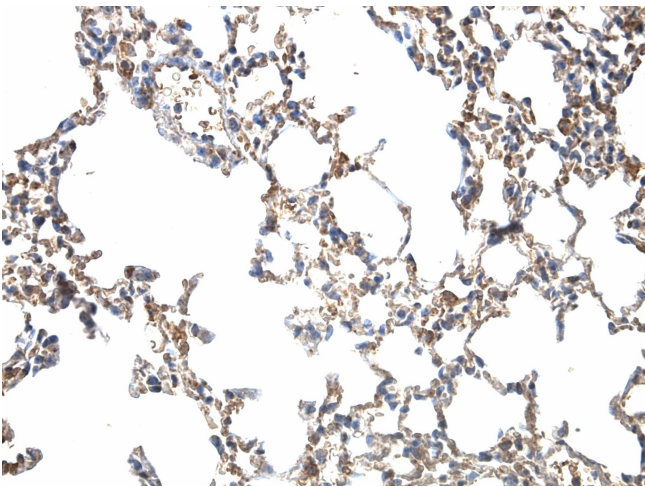
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-FCGR1A mouse monoclonal antibody. (UM500062; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



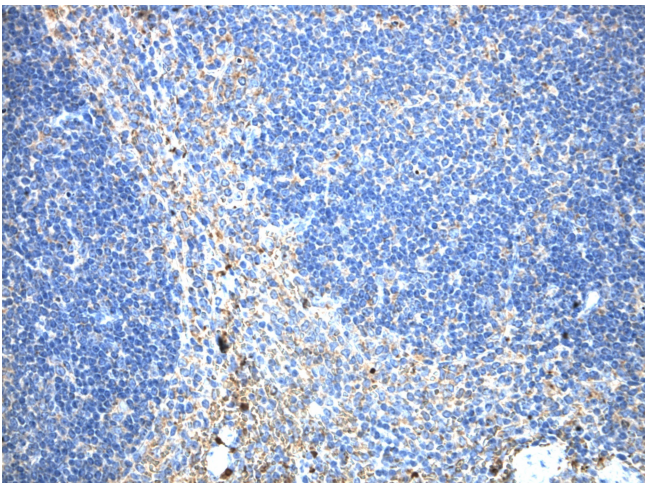
Immunohistochemical staining of paraffin-embedded mouse kidney tissue using anti-CD64 (FCGR1A) clone UMAB74 mouse monoclonal antibody. HIER TEE buffer pH9 ([B21-100]) at 110C for 10 min, UM500062 (1:100). Detection was done with Klear Mouse (C/N [D52-18]) DAB Kit.



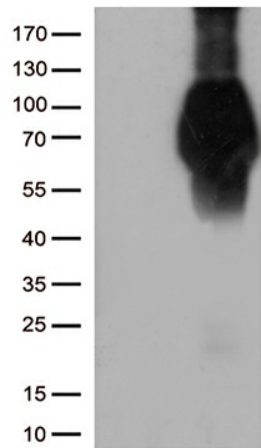
Immunohistochemical staining of paraffin-embedded mouse brain tissue using anti-CD64 (FCGR1A) clone UMAB74 mouse monoclonal antibody. HIER TEE buffer pH9 ([B21-100]) at 110C for 10 min, UM500062 (1:100). Detection was done with Klear Mouse (C/N [D52-18]) DAB Kit.



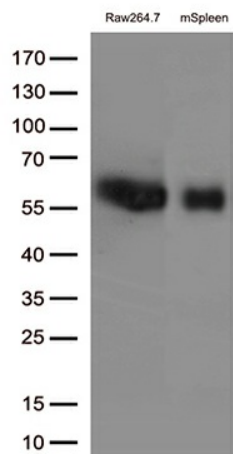
Immunohistochemical staining of paraffin-embedded mouse lung tissue using anti-CD64 (FCGR1A) clone UMAB74 mouse monoclonal antibody. HIER TEE buffer pH9 ([B21-100]) at 110C for 10 min, UM500062 (1:100). Detection was done with Klear Mouse (C/N [D52-18]) DAB Kit.



Immunohistochemical staining of paraffin-embedded mouse spleen tissue using anti-CD64 (FCGR1A) clone UMAB74 mouse monoclonal antibody. HIER TEE buffer pH9 ([B21-100]) at 110C for 10 min, UM500062 (1:100). Detection was done with Klear Mouse (C/N [D52-18]) DAB Kit.



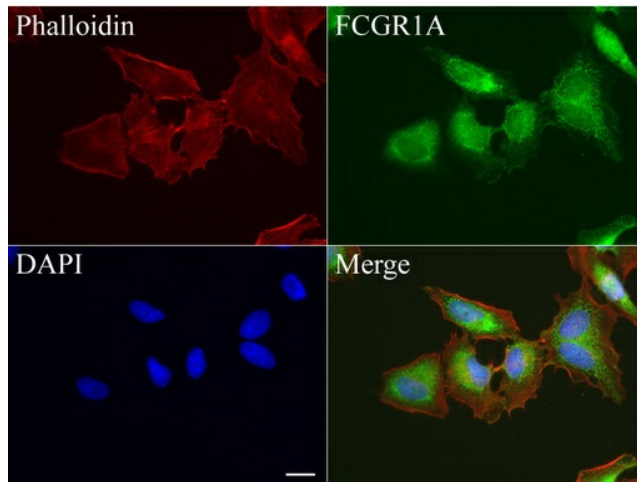
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FCGR1A ([RC207487], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FCGR1A (1:2000).



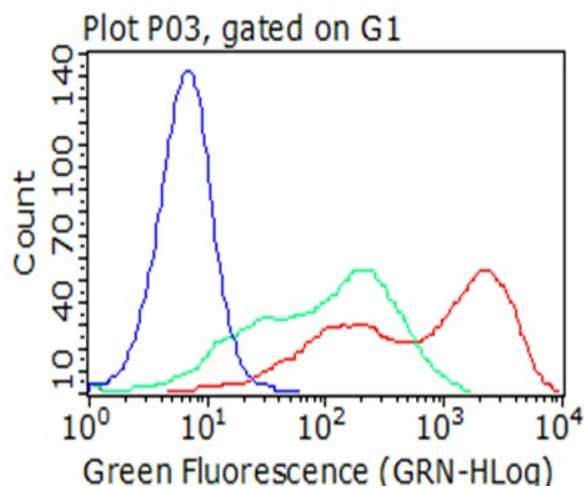
Western blot analysis of extracts (35ug) from 1 cell line and 1 tissue lysates by using anti-FCGR1A monoclonal antibody (1:500).



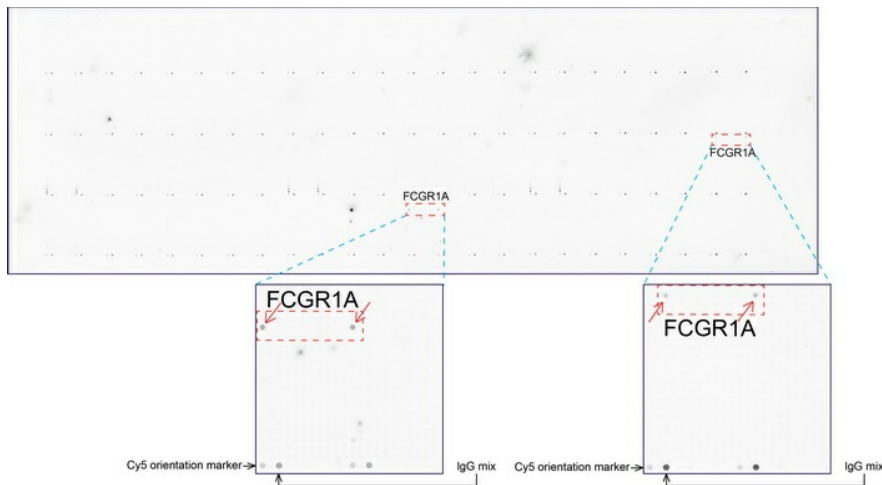
Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen ). Dilution: 1:500.



Immunofluorescent staining of HeLa cells using anti-FCGR1A mouse monoclonal antibody (UM500062, green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue). Scale bar, 20µm.



Flow cytometric analysis of living 293T cells transfected with FCGR1A overexpression plasmid ([RC207487]), Red)/empty vector ([PS100001], Blue) using anti-FCGR1A antibody (UM500062). Cells incubated with a non-specific antibody (Green) were used as isotype control (1:100).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-FCGR1A mouse monoclonal antibody (UM500062). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.