

## Product datasheet for **UM570062**

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

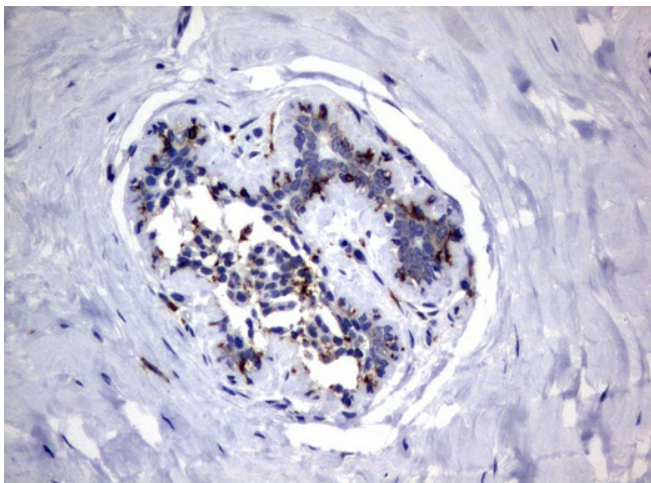
#### Product data:

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

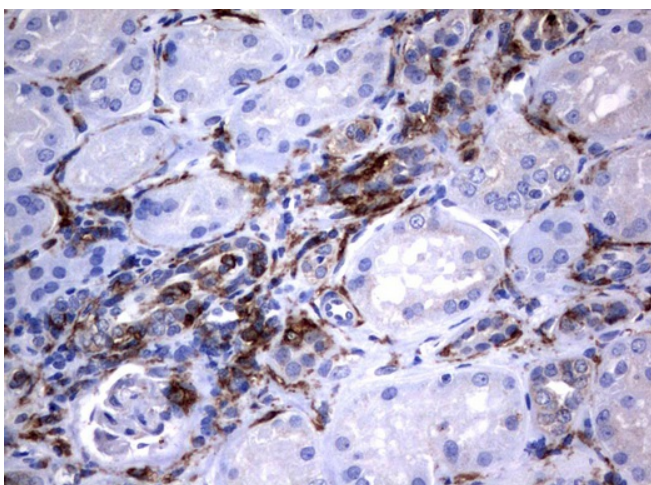

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**Protein Pathways:** Fc gamma R-mediated phagocytosis, Hematopoietic cell lineage, Systemic lupus erythematosus

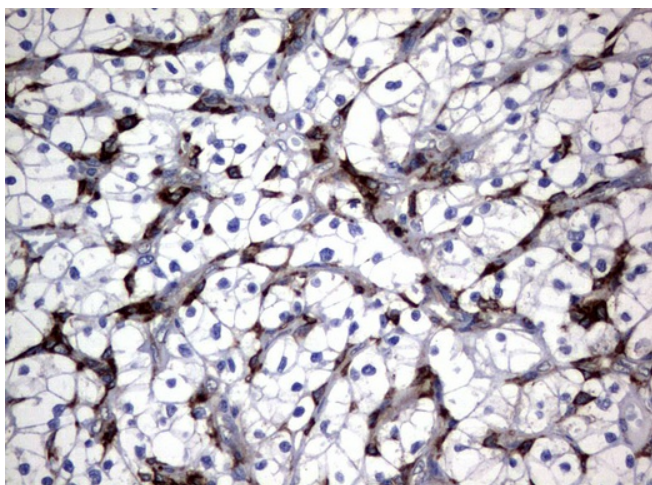
## Product images:



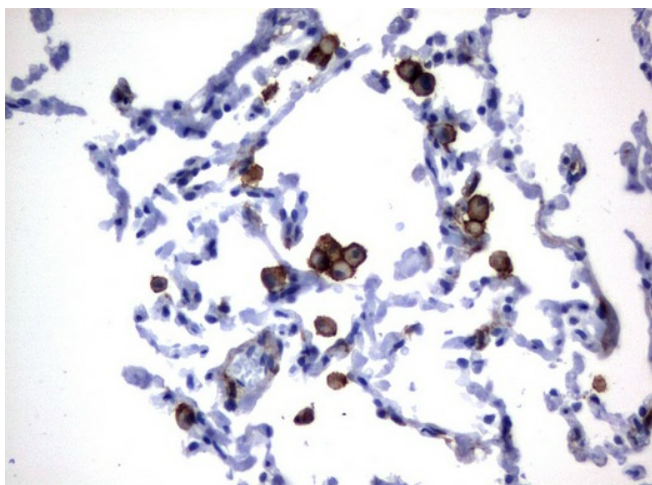
Immunohistochemical staining of paraffin-embedded Human breast tissue using anti-FCGR1A mouse monoclonal antibody. ([UM500062]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min) (1:100)



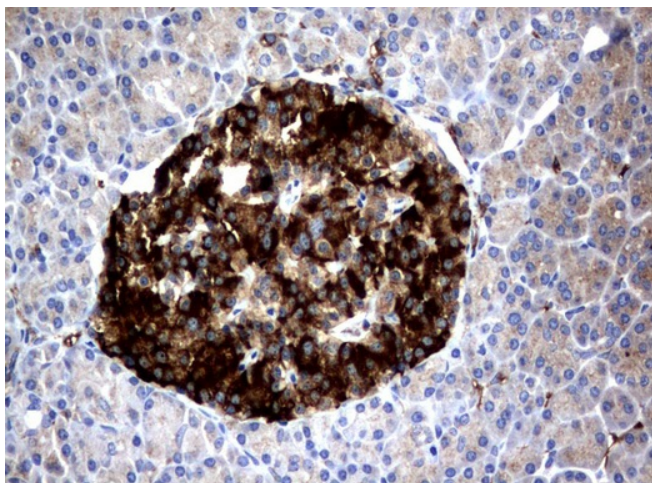
Immunohistochemical staining of paraffin-embedded Human Kidney tissue using anti-FCGR1A mouse monoclonal antibody. ([UM500062]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min) (1:100)



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)

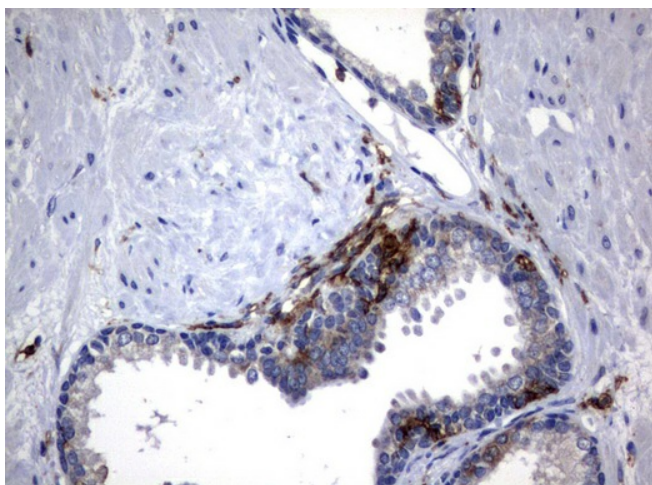


Immunohistochemical staining of paraffin-embedded Human lung tissue using anti-FCGR1A mouse monoclonal antibody. ([UM500062]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)

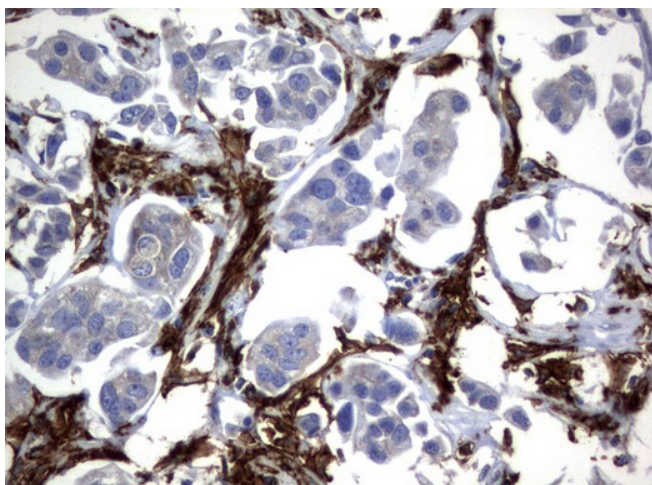


Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-FCGR1A mouse monoclonal antibody. ([UM500062]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)

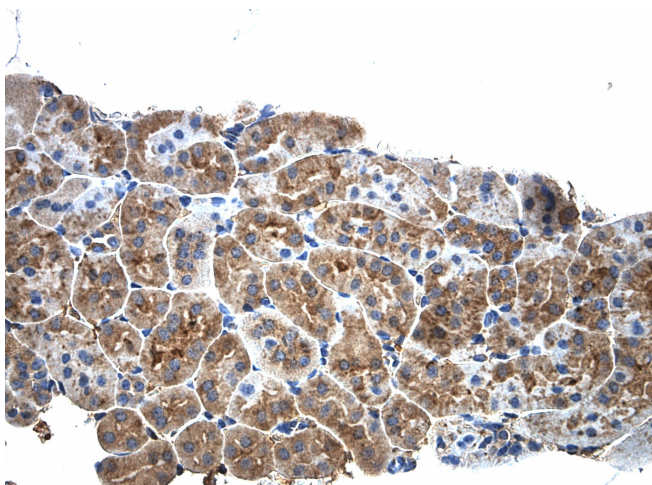




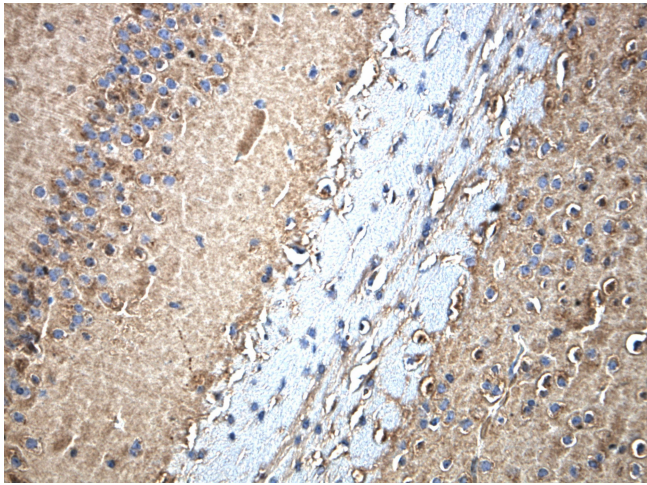
Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-FCGR1A mouse monoclonal antibody. ([UM500062]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



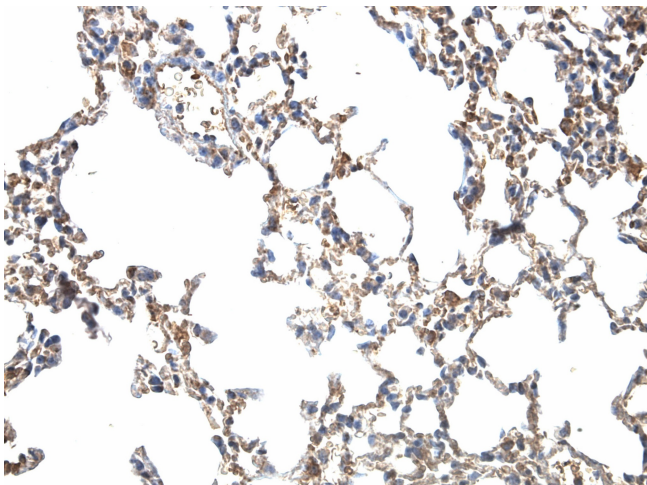
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-FCGR1A mouse monoclonal antibody. ([UM500062]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



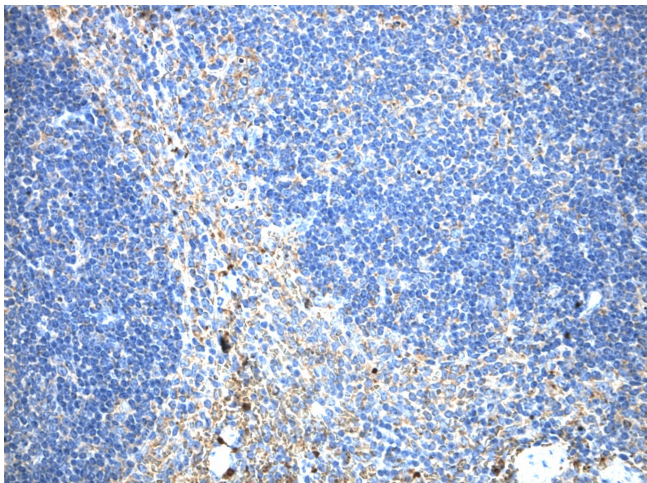
Immunohistochemical staining of paraffin-embedded mouse kidney tissue using anti-CD64 (FCGR1A) clone UMAB74 mouse monoclonal antibody. HIER TEE buffer pH9 ([B21-100]) at 110C for 10 min, [UM500062] (1:100). Detection was done with Klear Mouse (C/N [D52-18]) DAB Kit.



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.

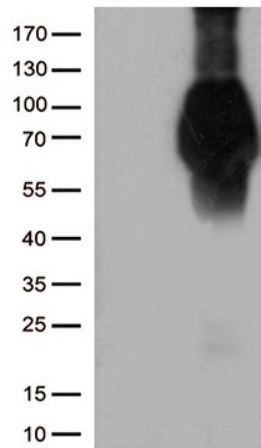


Immunohistochemical staining of paraffin-embedded mouse lung tissue using anti-CD64 (FCGR1A) clone UMAB74 mouse monoclonal antibody. HIER TEE buffer pH9 ([B21-100]) at 110C for 10 min, [UM500062] (1:100). Detection was done with Klear Mouse (C/N [D52-18]) DAB Kit.

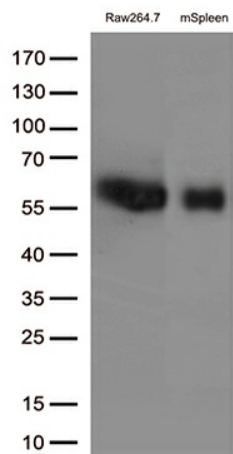


Immunohistochemical staining of paraffin-embedded mouse spleen tissue using anti-CD64 (FCGR1A) clone UMAB74 mouse monoclonal antibody. HIER TEE buffer pH9 ([B21-100]) at 110C for 10 min, [UM500062] (1:100). Detection was done with Klear Mouse (C/N [D52-18]) DAB Kit.

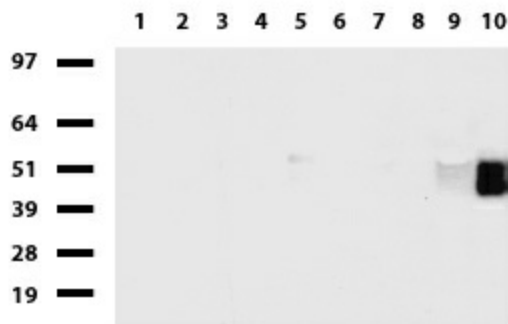




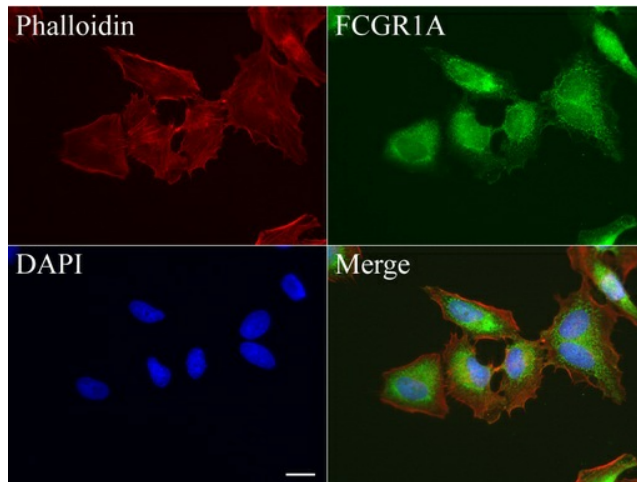
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FCGR1A ([RC207487], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FCGR1A (1:2000).



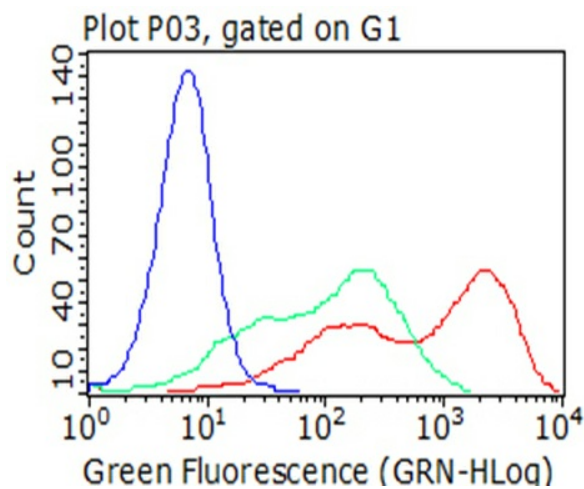
Western blot analysis of extracts (35ug) from 1 cell line and 1 tissue lysates by using anti-FCGR1A monoclonal antibody (1:500).



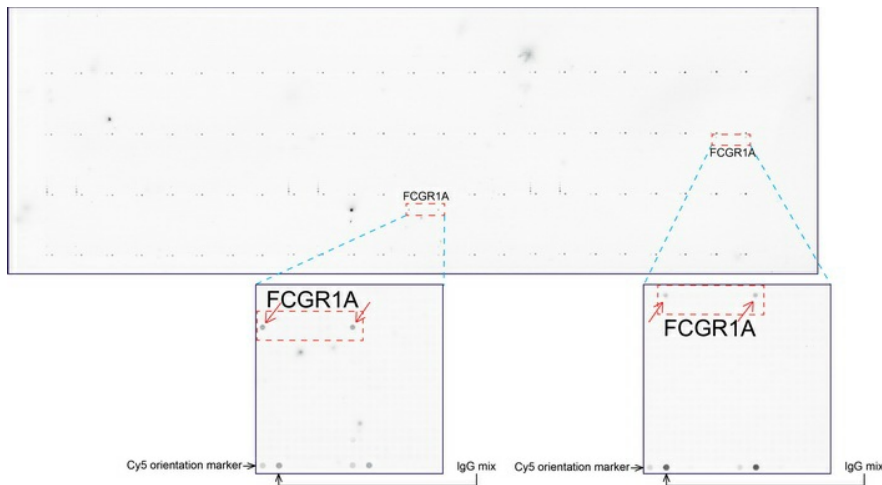
Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen ). Dilution: 1:500.



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.