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CD193

Purified Mouse Monoclonal Antibody
Catalog # AO2661a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P51677
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	8E9H10
Isotype	Mouse IgG1
Calculated MW	41044
Immunogen	Purified recombinant fragment of human CD193 (AA: extra mix) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	1232
Other Names	CKR3; CCR3; CMKBR3; CC-CKR-3
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CD193 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CCR3
Synonyms	CMKBR3
Function	G protein-coupled receptor (GPCR) that plays a key role in the immune system by regulating the migration and activation of white blood cells in response to chemokines (PubMed:28994588). Selectively interacts with eosinophil-attracting chemokines such as eotaxin/CCL11, eotaxin-2/CCL24 and eotaxin-3/CCL26 (PubMed:7622448, PubMed:8642344, PubMed:8676064). Ligand binding triggers intracellular signaling that leads to chemotaxis of immune cells. Mechanistically, signals through GNA14 or GNA16 to induce

	stimulation of phospholipase Cbeta/PLCB2 and subsequently chemotaxis (PubMed:18406577). Alternatively, transduces signal via GNAI1 resulting in elevated intracellular calcium levels and activation of the PI3K/AKT pathway (PubMed:8676064, PubMed:35570218). May also act as a possible functional receptor for NARS1 (PubMed:30171954).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	In eosinophils as well as trace amounts in neutrophils and monocytes.

References

1.J Dermatol Sci. 2013 Jul;71(1):12-21.2.Am J Clin Pathol. 2013 Sep;140(3):293-300.

Images

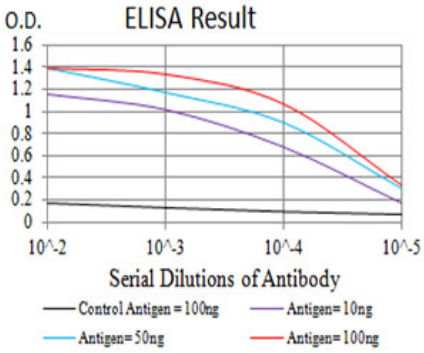


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

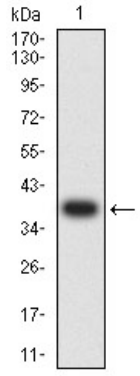


Figure 2:Western blot analysis using CD193 mAb against human CD193 (AA: extra mix) recombinant protein. (Expected MW is 37.2 kDa)

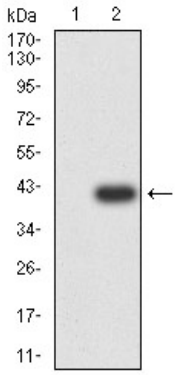


Figure 3:Western blot analysis using CD193 mAb against HEK293 (1) and CD193 (AA: extra mix)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Flow cytometric analysis of HL-60 cells using CD193 mouse mAb (green) and negative control (red).

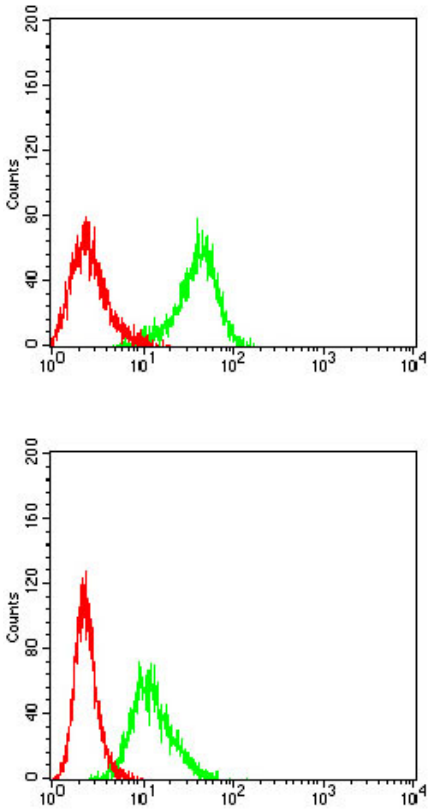


Figure 5:Flow cytometric analysis of K562 cells using CD193 mouse mAb (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.