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Rabbit Anti-CD73 antibody

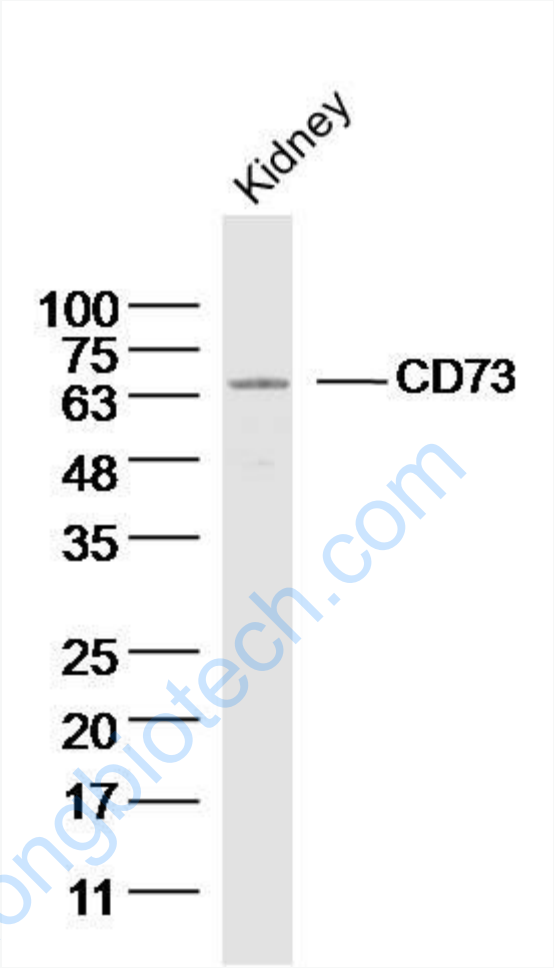
SL4834R

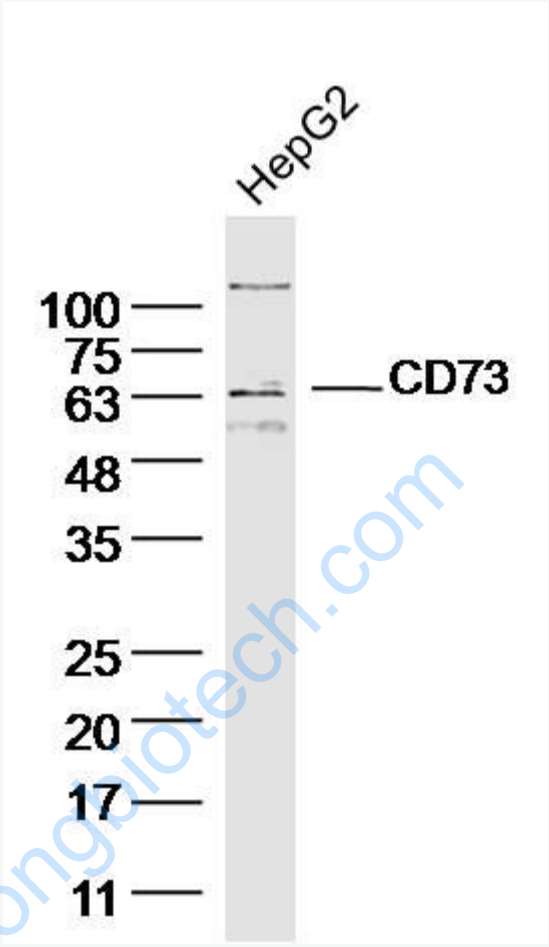
Product Name:	CD73
Chinese Name:	CD73抗体
Alias:	NT5; 5' NT; 5' nucleotidase (CD73); 5' nucleotidase precursor; 5' nucleotidase, ecto; 5' nucleotidase, ecto (CD73); 5'-NT; 5'-nucleotidase; 5'-nucleotidase; 5NTD_HUMAN; CD73; CD73 antigen; E5NT; Ecto 5' nucleotidase; Ecto-5'-nucleotidase; eN antibody eNT; NT antibody NT5; NT5E; NTE; Purine 5 Prime Nucleotidase.
文献引用 PubMed :	**Specific References(12)**|SL4834R has been referenced in 12 publications. **[IF=2.94]**Wang, Kai, et al. "Over-expression of Mash1 improves the GABAergic differentiation of bone marrow mesenchymal stem cells< i> in vitro." Brain Research Bulletin (2013).**FCM;Rat**. PubMed:24144723 **[IF=2.88]**Gao, Yuhua, et al. "Isolation and Characterization of Chicken Dermis-Derived Mesenchymal Stem/Progenitor Cells." BioMed Research International 2013 (2013).**Chicken**. PubMed:23984389 **[IF=2.88]**Long, Qianfa, et al. "Genetically engineered bone marrow mesenchymal stem cells improve functional outcome in a rat model of epilepsy." Brain Research (2013).**Rat**. PubMed:23928226 **[IF=1.69]**Lu, Taofeng, et al. "Isolation and Characterization of Adipose-derived Mesenchymal Stem Cells (ADSCs) from Cattle." Applied Biochemistry and Biotechnology (2014): 1-10.**Rat**. PubMed:25086927

	[IF=1.69]Gao, Yuhua, et al. "All-trans Retinoic Acid Promotes Nerve Cell Differentiation of Yolk Sac-Derived Mesenchymal Stem Cells." Applied Biochemistry and Biotechnology (2014): 1-11.**Chicken**. PubMed:25086923 [IF=1.69]Gao, Yuhua, et al. "All-trans Retinoic Acid Promotes Nerve Cell Differentiation of Yolk Sac-Derived Mesenchymal Stem Cells." Applied Biochemistry and Biotechnology (2014): 1-11.**Chicken**. PubMed:25086923 [IF=2.03]Long, Qianfa, et al. "MRI tracking bone marrow mesenchymal stem cells labeled with ultra-small superparamagnetic iron oxide nanoparticles in a rat model of temporal lobe epilepsy." Neuroscience Letters (2015).**Rat**. PubMed:26318841 [IF=0.96]Wang, Chenghe, et al. "Small activating RNA induces myogenic differentiation of rat adipose-derived stem cells by upregulating MyoD." Official Journal of the Brazilian Society of Urology 41.4 (2015): 764-772.**Rat**. PubMed:26401871 [IF=3.36]Long, Q., et al. "Bone marrow mesenchymal stem cell transplantation improves cognitive impairment via up-regulation of hippocampal GABAergic system in a rat model of chronic cerebral hypoperfusion." Neuroscience (2015).**Rat**. PubMed:26545982 [IF=1.28]Chen, Jia, et al. "Biological characterization of metanephric mesenchymal stem cells from the Beijing duck." Experimental and Therapeutic Medicine 11.2 (2016): 439-447.**IF(ICC);Others**. PubMed:26893628 [IF=3.78]Lin, Hsing-Yi, et al. "Isolation and characterization of multipotent mesenchymal stem cells adhering to adipocytes in canine bone marrow." Stem Cells and Development ja (2016).**FCM;Dog**. PubMed:27937753 [IF=1.92]Ma, Caiyun, et al. "Cryopreservation and multipotential characteristics evaluation of a novel type of mesenchymal stem cells derived from Small Tailed Han Sheep fetal lung tissue." Cryobiology (2017).**FCM;Sheep**. PubMed:28284665
Organism Species:	Rabbit

Clonality:	Polyclonal
React Species:	Human,Mouse,
Applications:	WB=1:500-2000ELISA=1:500-1000Flow-Cyt=1μg/TestICC=1:100-500IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	63kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CD73/NT5:151-250/574
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	CD73 is a glycosyl-phosphatidylinositol (GPI)-anchored adhesion protein that catalyzes the dephosphorylation of extracellular purine and pyrimidine nucleotides to their corresponding bioactive nucleosides. CD73 is a dimer of two identical subunits that depends on GPI to link with the external face of the plasma membrane. Similar to other GPI-anchored proteins, CD73 mediates co-stimulatory signals in T cell activation. CD73 has few structural variants, yet elicits diverse biological function through differential regulation in endothelial cells (EC), subpopulations of B and T cells, germinal center follicular dendritic cells and on thymic medullary reticular fibroblasts. For example, IgG mediated neutralization of CD73 interferes with lymphocyte adhesion to EC, and blocks aggregation of germinal center B cells and follicular dendritic cells. Furthermore, IgG-mediated targeting of lymphocyte CD73, but not of endothelial cell CD73, causes shedding of CD73 and tyrosine phosphorylation of proteins. **Function:** Hydrolyzes extracellular nucleotides into membrane permeable nucleosides. **Subcellular Location:** Cell membrane. **DISEASE:** Defects in NT5E are the cause of calcification of joints and arteries (CAJA). A condition characterized by adult-onset calcification of the lower extremity arteries, including the iliac, femoral and tibial arteries, and hand and foot capsule joints. Age of onset has been reported as early as the second decade of life, usually involving intense joint pain or calcification in the hands. **Similarity:** Belongs to the 5'-nucleotidase family.

	SWISS: P21589 **Gene ID:** 4907 **Database links:** Entrez Gene: 4907 Human Omim: 129190 Human SwissProt: P21589 Human Unigene: 153952 Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Sample: Kidney (mouse)l Lysate at 40 ug Primary: Anti- CD73 (SL4834R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 63 kD Observed band size: 65 kD



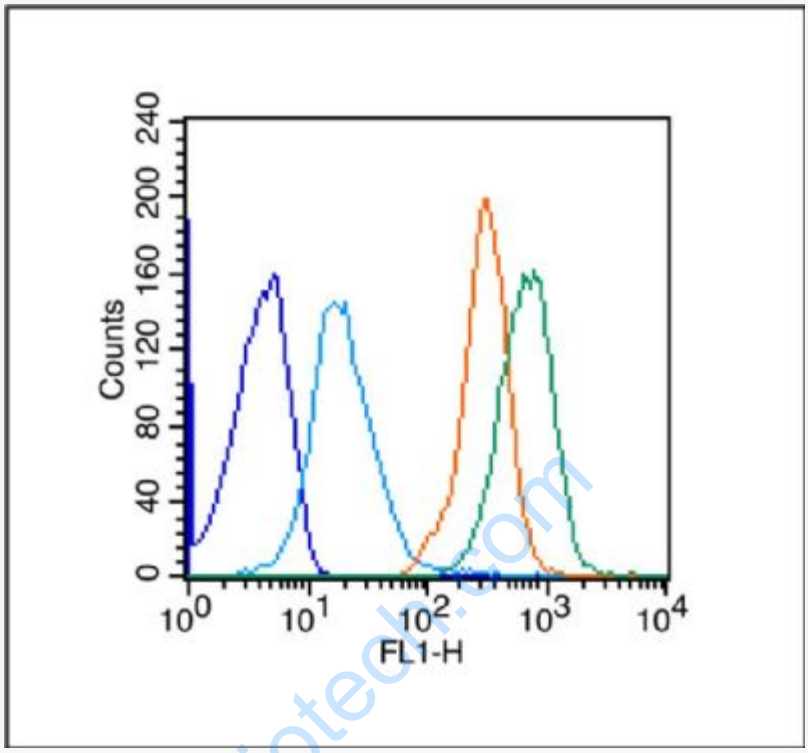
Sample: HepG2 (human)Cell Lysate at 40 ug

Primary: Anti- CD73 (SL4834R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 63 kD

Observed band size: 63 kD



Blank control (blue line): Raji (blue).

Primary Antibody (green line): Rabbit Anti- Phospho-c-Fos (Ser32) antibody (SL4834R)

Dilution: 1μg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE

Dilution: 1μg /test.

Protocol