

CD205 Monoclonal Antibody (PN-15), Biotin

Catalog Number MA5-13362

Product data sheet

Details		Species Reactivity	
Size	500 µL	Species reactivity	Human, Rat
Host/Isotope	Mouse / IgG1, kappa	Published species	Human
Class	Monoclonal	Tested Applications	
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	Dilution * 2-4 µg/mL
Clone	PN-15	Western Blot (WB)	Assay-dependent
Immunogen	Microsomal fraction of human renal cortical tissue homogenate	Published Applications	
Conjugate	Biotin	Immunohistochemistry (IHC)	See 3 publications below
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	0.2 mg/mL		
Purification	Protein G		
Storage buffer	PBS, pH 7.4, with 0.2% BSA		
Contains	0.09% sodium azide		
Storage Conditions	4° C		

Product specific information

MA5-13362 targets Renal Cell Carcinoma Marker in IHC (P) and WB applications and shows reactivity with Human and Rat samples. The MA5-13362 immunogen is microsomal fraction of human renal cortical tissue homogenate.

Background/Target Information

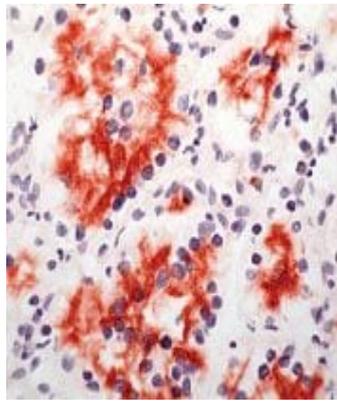
CD205 (LY25, Lymphocyte Antigen 75) is an integral membrane glycoprotein involved in antigen uptake, trafficking and presentation that improves the induction of antigen-specific T cell immunity. CD205 is highly expressed by CD8+ dendritic cells (DCs) and also expressed at different levels by bone marrow Gr1+ cells, Langerhans cells, (BMDC) bone marrow derived DCs and thymic epithelial cells. CD205 acts as an endocytic receptor that directs captured antigens to the extracellular space towards a specialized antigen processing region. Further, CD205 also prompts the reduced proliferation of B lymphocytes. Diseases associated with CD205 dysfunction include pneumonic plague and lipid pneumonia.

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CD205 Antibody (MA5-13362) in IHC (P)

Formalin-fixed. Paraffin-embedded human renal cell carcinoma stained with RCC Marker antibody using peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of tumor cells

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PubMed References For CD205 Monoclonal Antibody (PN-15), Biotin

3 Immunohistochemistry References

Species / Dilution	Summary
Human / 1:100	<p>MA5-13362 was used in immunohistochemistry to study problems in diagnosing mucinous tubular and spindle cell carcinoma of kidney</p> <p>Turk patoloji dergisi (2011; 27: 116) "Mucinous tubular and spindle cell carcinoma of kidney and problems in diagnosis." Author(s):Sarsik B,Smr A,Karaarslan S,Sen S PubMed Article URL:http://dx.doi.org/10.5146/tjpath.2011.01059</p>
Human / 1:100	<p>MA5-13362 was used in immunohistochemistry to study the clinical value of gene expression profiling of metastatic adenocarcinomas of unknown primary</p> <p>Journal of clinical oncology : official journal of the American Society of Clinical Oncology (2008; 26: 4435) "Gene expression profiling to identify the histogenetic origin of metastatic adenocarcinomas of unknown primary." Author(s):Horlings HM,van Laar RK,Kerst JM,Helgason HH,Wesseling J,van der Hoeven JJ,Warmoes MO,Floore A,Witteveen A,Lahti-Domenici J,Glas AM, Van't Veer LJ,de Jong D PubMed Article URL:http://dx.doi.org/10.1200/JCO.2007.14.6969</p>
Human / 1:100	<p>MA5-13362 was used in immunohistochemistry to report on a case of sporadic haemangioblastoma of the kidney with rhabdoid features and focal CD10 expression</p> <p>Diagnostic pathology (2012; 7:) "Sporadic haemangioblastoma of the kidney with rhabdoid features and focal CD10 expression: report of a case and literature review." Author(s):Yin WH,Li J,Chan JK PubMed Article URL:http://dx.doi.org/10.1186/1746-1596-7-39</p>

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