

Product datasheet for **TA310261**

LY75 (LY75-CD302) Rabbit Monoclonal Antibody [Clone ID: EPR5233]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EPR5233
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000 - 1:10000; IP: 1:10 - 1:100; IHC-P: 1:250 - 1:500; ICC: 1:100 - 1:250
Reactivity:	Mouse, Human (Does not react with: Rat)
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to residues in the intracellular domain of human CD205 was used as an immunogen.
Formulation:	pH: 7.40 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol, 0.05% BSA
Purification:	Tissue culture supernatant
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	198 kDa
Gene Name:	LY75-CD302 readthrough
Database Link:	NP_001185688 Entrez Gene 100526664 Human O60449



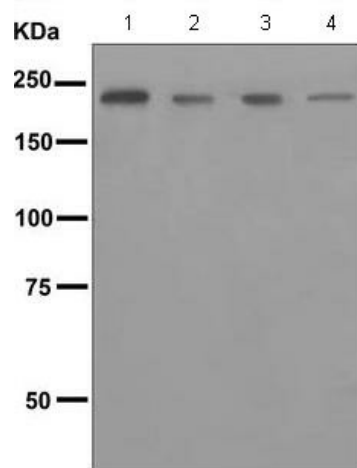
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Background:

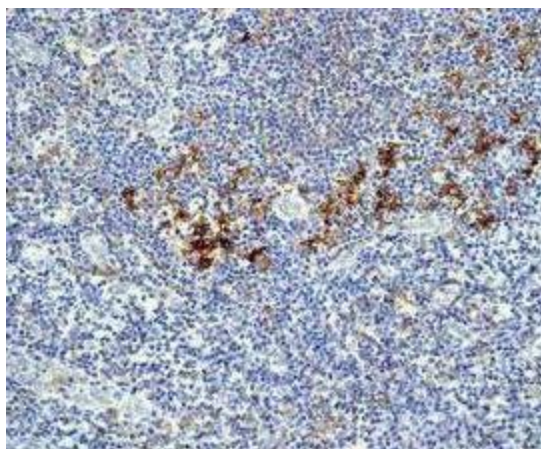
CD205 is a type I C-type lectin-like molecule that acts as an endocytic receptor to direct captured antigens from the extracellular space to a specialized antigen-processing compartment (1, 2). It functions to deliver antigen to dendritic cells for presentation on MHC class II and cross-presentation on MHC class I. Thus, CD205 plays an important role in CD4 and CD8 T cell tolerance induction to self-antigen both in the periphery and in the thymus. It is expressed at high levels on cortical thymic epithelium, thymic medullary DCs (CD11c+ CD8+), and subsets of peripheral DCs (CD11c+ CD8+ splenic/lymph node DCs, dermal/interstitial DCs, and Langerhans cells) (2). In addition, CD205 causes reduced proliferation of B-lymphocytes (1).

Note:

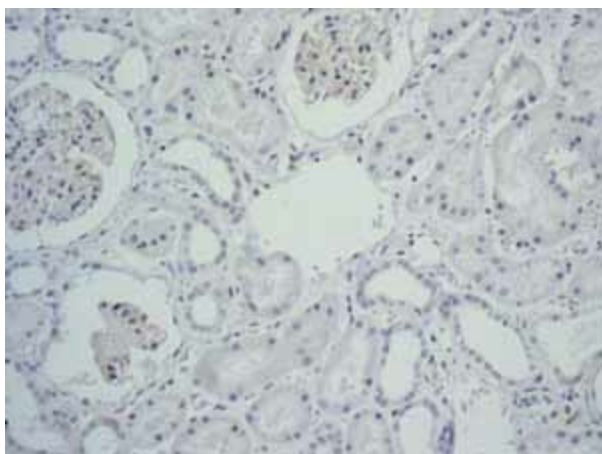
Does not react with Rat

Product images:

Western blot - Anti-LY75 antibody [EPR5233]; All lanes : Anti-LY75 antibody [EPR5233] at 1/1000 dilution. Lane 1 : Human thymus lysate. Lane 2 : Human lymph node lysate. Lane 3 : Human tonsil lysate. Lane 4 : Mouse thymus lysate. Lysates/proteins at 10 ug per lane. Secondary. Goat anti-Rabbit HRP at 1/2000 dilution. Predicted band size : 198 kDa.



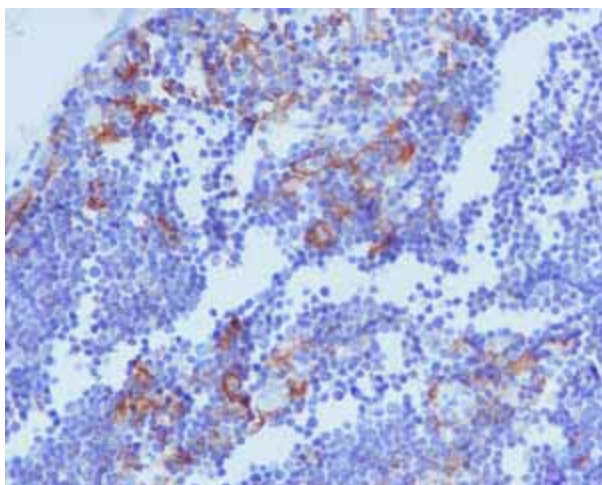
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LY75 antibody [EPR5233]; TA310261, at 1/250 dilution, staining LY75 in Formalin-fixed, Paraffin-embedded Human Tonsil tissue by Immunohistochemistry.



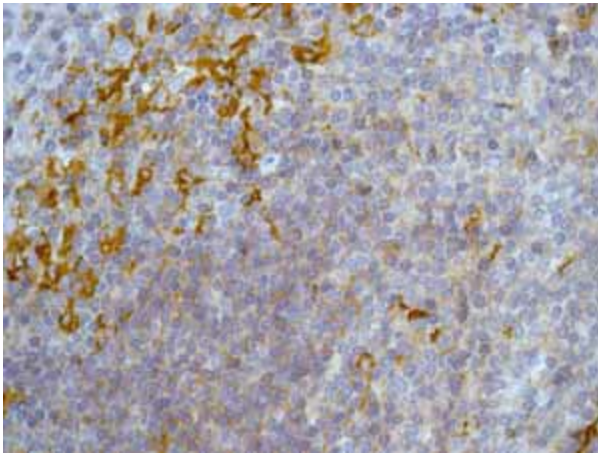
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)-Anti-LY75 antibody [EPR5233] (TA310261); TA310261 showing negative staining in Normal kidney tissue.



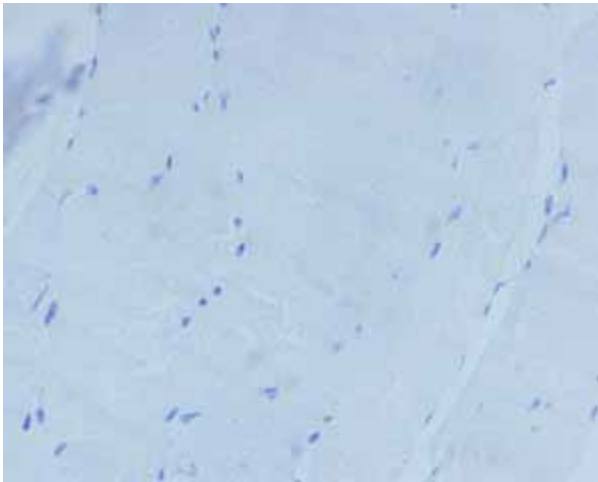
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)-Anti-LY75 antibody [EPR5233] (TA310261); TA310261 showing negative staining in Normal brain tissue.



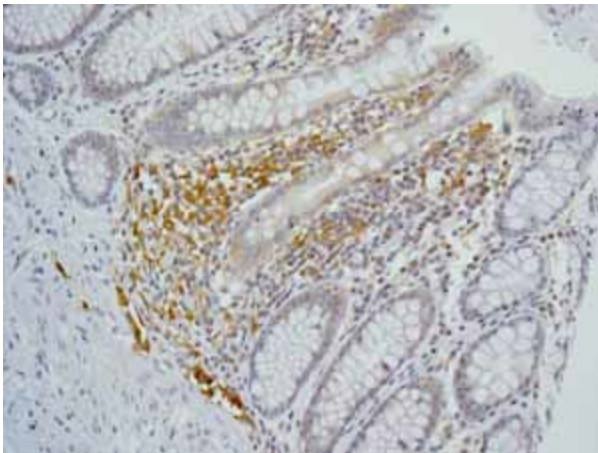
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)-Anti-LY75 antibody [EPR5233] (TA310261); TA310261 showing positive staining in Normal thymus tissue.



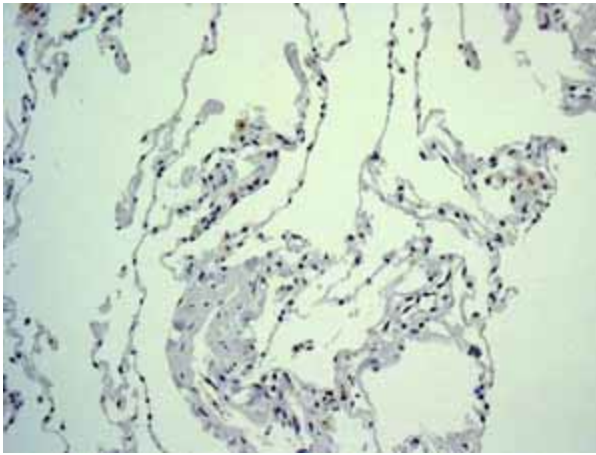
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)-Anti-LY75 antibody [EPR5233] (TA310261); TA310261 showing positive staining in Normal spleen tissue.



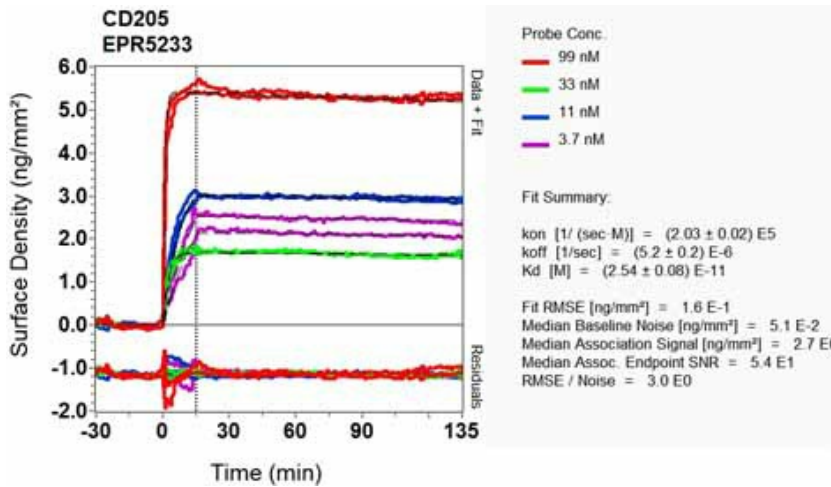
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)-Anti-LY75 antibody [EPR5233] (TA310261); TA310261 showing negative staining in Skeletal muscle tissue.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)-Anti-LY75 antibody [EPR5233] (TA310261); TA310261 showing positive staining in Normal colon lymphocytes tissue.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)-Anti-LY75 antibody [EPR5233] (TA310261); TA310261 showing negative staining in Normal lung tissue.



Other-Anti-LY75 antibody [EPR5233] (TA310261); Equilibrium disassociation constant (KD).