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LY75 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8994c

Specification

LY75 Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	O60449
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**198311**
Antigen Region	**646-675**

LY75 Antibody (Center) - Additional Information

Gene ID 100526664;4065

Other Names
Lymphocyte antigen 75, Ly-75, C-type lectin domain family 13 member B, DEC-205, gp200-MR6, CD205, LY75, CD205, CLEC13B

Target/Specificity
This LY75 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 646-675 amino acids from the Central region of human LY75.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
LY75 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

LY75 Antibody (Center) - Protein Information

Name LY75

Synonyms CD205, CLEC13B

Function Acts as an endocytic receptor to direct captured antigens from the extracellular space to a specialized antigen-processing compartment (By similarity). Causes reduced proliferation of B-lymphocytes.

Cellular Location
Membrane; Single-pass type I membrane protein

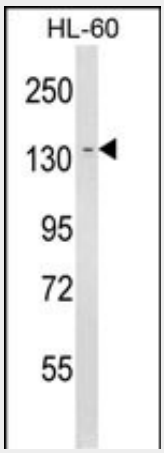
Tissue Location
Expressed in spleen, thymus, colon and peripheral blood lymphocytes. Detected in myeloid and B-lymphoid cell lines Isoform 2 and isoform 3 are expressed in malignant Hodgkin lymphoma cells called Hodgkin and Reed-Sternberg (HRS) cells

LY75 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

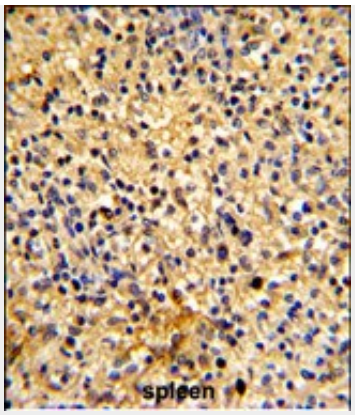
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LY75 Antibody (Center) - Images

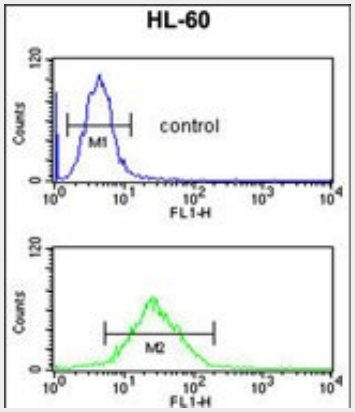


Western blot analysis of LY75 Antibody (Center) (Cat. #AP8994c) in HL-60 cell line lysates (35ug/lane). LY75 (arrow) was detected using the purified Pab.

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Formalin-fixed and paraffin-embedded human spleen tissue reacted with LY75 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



LY75 Antibody (Center) (Cat. #AP8994c) flow cytometric analysis of HL-60 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

LY75 Antibody (Center) - Background

LY75 acts as an endocytic receptor to direct captured antigens from the extracellular space to a specialized antigen-processing compartment. It causes reduced proliferation of B-lymphocytes.

LY75 Antibody (Center) - References

Kato,M., et.al., Immunogenetics 47 (6), 442-450 (1998)
McKay,P.F., et.al., Eur. J. Immunol. 28 (12), 4071-4083 (1998)