

CD74 Rabbit pAb

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Catalog # AP94149

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P04441
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31557

Additional Information

Gene ID	16149
Other Names	H-2 class II histocompatibility antigen gamma chain, Ia antigen-associated invariant chain, Ii, Ii chain, MHC class II-associated invariant chain, CD74, Class-II-associated invariant chain peptide, Cd74 {ECO:0000312 MGI:MGI:96534}
Dilution	IHC-P=1:400-800,IHC-F=1:400-800,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

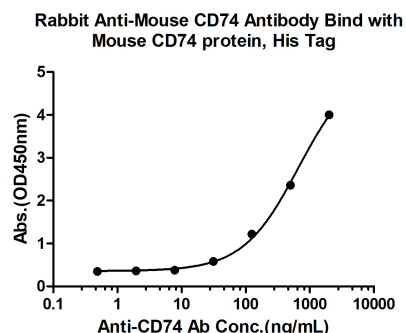
Protein Information

Name	Cd74 {ECO:0000312 MGI:MGI:96534}
Function	Plays a critical role in MHC class II antigen processing by stabilizing peptide-free class II alpha/beta heterodimers in a complex soon after their synthesis and directing transport of the complex from the endoplasmic reticulum to compartments where peptide loading of class II takes place. Enhance also the stimulation of T-cell responses through interaction with CD44.
Cellular Location	[Isoform Long]: Late endosome. Lysosome
Tissue Location	[Isoform Long]: Expressed in thymus and lymph nodes (PubMed:8977190). Expressed by antigen-presenting cells (APCs) (PubMed:11483509, PubMed:12417635).

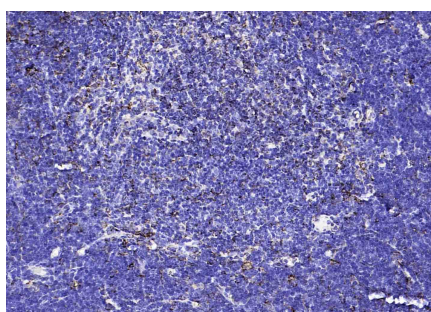
Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

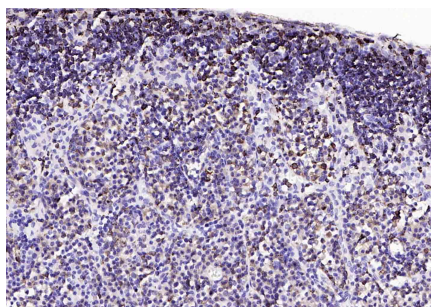
Images



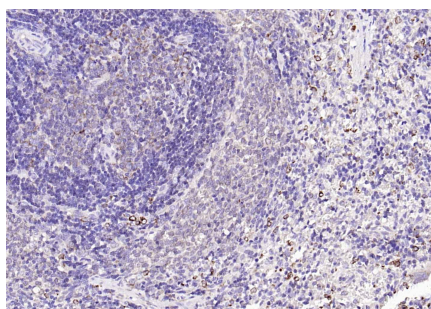
Measured by its binding ability in a indirect ELISA. Immobilized Mouse CD74 protein, His Tag (Cat. bs-41374P) at 2 µg/mL (100 µL/well) can bind Rabbit Anti-Mouse CD74 Antibody, the EC50 is 669.6 ng/mL.



Paraformaldehyde-fixed, paraffin embedded (mouse thymus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD74) Polyclonal Antibody, Unconjugated (AP94149) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse lymphoid); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD74) Polyclonal Antibody, Unconjugated (AP94149) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD74) Polyclonal Antibody, Unconjugated (AP94149) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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