



# Rabbit Anti-Human CD74 monoclonal antibody, clone KG51-21 (CABT-L878)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	CD74
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	KG51-21
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IHC, FC
<b>Molecular Weight</b>	34 kDa
<b>Cellular Localization</b>	Cell membrane, Endoplasmic reticulum membrane, Golgi apparatus, Endosome, Lysosome.
<b>Positive Control</b>	Raji, 293T, Hela, HepG2, human tonsil tissue, human spleen tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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# BACKGROUND

Introduction	The human histocompatibility leukocyte antigen (HLA) class II-associated invariant chain is composed of at least four polypeptides. One of these polypeptide chains is expressed as a membrane-bound subunit and has been designated CD74. The loading of peptide onto the class II MHC protein (MHC II) appears to be regulated by CD74, which associates with MHC II during its migration to the endosomal compartment, where class II binds peptide. CD74 is expressed by cells of both T lymphocyte and B lymphocyte lineages. In fact, CD74 is broadly expressed in normal B lymphocytes, regardless of their histocompatibility leukocyte antigen (HLA) phenotype, while a subset of peripheral T lymphocytes that are MHC II negative do not express CD74.
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Keywords	CD 74;CD74;CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated);CD74 antigen;CD74 molecule;CD74 molecule, major histocompatibility complex, class II invariant chain;CLIP;DHLA;Gamma chain of class II antigens;HG2A_HUMAN;HLA class II histocompatibility antigen gamma chain;HLA DR antigens associated invariant chain;HLA DR gamma;HLA-DR antigens-associated invariant chain;HLA-DR-gamma;HLADG;HLADR antigens associated invariant chain;Ia antigen associated invariant chain;Ia antigen-associated invariant chain;Ia associated invariant chain;Ia gamma;Ii;Invariant polypeptide of major histocompatibility complex class II antigen associated;Ia-gamma;Major histocompatibility complex class II invariant chain;MHC HLA DR gamma chain;MHC HLA-DR gamma chain;p33;p35;Protein 41 antibody
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# GENE INFORMATION

Entrez Gene ID	<a href="#">972</a>
UniProt ID	<a href="#">P04233</a>