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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

CD74 & HLA-DQA1 Protein Protein Interaction Antibody Pair

Catalog # : DI0228

規格 : [1 Set]

List All

Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the CD74 protein, and the other against the HLA-DQA1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

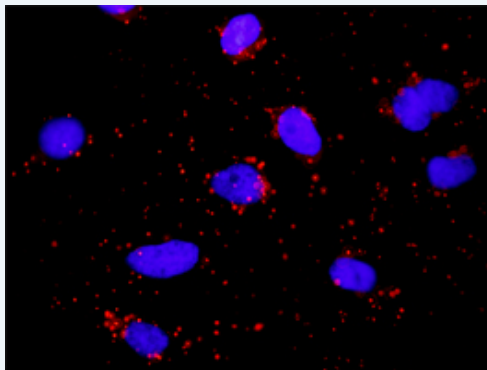
Application Image

In situ Proximity Ligation Assay (Cell)



Reactivity: Human

Quality Control Testing: Protein protein interaction immunofluorescence result.



Representative image of Proximity Ligation Assay of protein-protein interactions between CD74 and HLA-DQA1. HeLa cells were stained with anti-CD74 rabbit purified polyclonal antibody 1:1200 and anti-HLA-DQA1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware ([BlobFinder](#)) download from The Centre for Image Analysis at Uppsala University.

Supplied Product: Antibody pair set content:
 1. CD74 rabbit purified polyclonal antibody (20 ug)
 2. HLA-DQA1 mouse monoclonal antibody (40 ug)
 *Reagents are sufficient for at least 30-50 assays using recommended protocols.

Storage Instruction: Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -

20°C storage immediately after use.

MSDS:  [Download](#)

Publication Reference

1. [An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma.](#)
Liu CH, Chen TC, Chau GY, Jan YH, Chen CH, Hsu CN, Lin KT, Juang YL, Lu PJ, Cheng HC, Chen MH, Chang CF, Ting YS, Kao CY, Hsiao M, Huang CY. Mol Cell Proteomics. 2013 Feb 8. [Epub ahead of print]

Applications

In situ Proximity Ligation Assay (Cell)

[CD74](#) [HLA-DQA1](#)

Gene Information

Entrez GeneID: [972](#)

Gene Name: CD74

Gene Alias: DHLAG,HLADG,la-GAMMA

Gene Description: CD74 molecule, major histocompatibility complex, class II invariant chain

Omim ID: [142790](#)

Gene Ontology: [Hyperlink](#)

Other Designations: CD74 antigen,CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated),HLA-DR-gamma,la-associated invariant chain,MHC HLA-DR gamma chain,gamma chain of class II antigens

Gene Information

Entrez GeneID: [3117](#)

Gene Name: HLA-DQA1

Gene Alias: CD,CELIAC1,DQ-A1,FLJ27088,FLJ27328,GSE,HLA-DQA,MGC149527

Gene Description: major histocompatibility complex, class II, DQ alpha 1

Omim ID: [146880](#), [212750](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: HLA-DQA1 belongs to the HLA class II alpha chain paralogues. The class II molecule is a heterodimer consisting of an alpha (DQA) and a beta chain (DQB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B Lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa. It is encoded by 5 exons; exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and the cytoplasmic tail. Within the DQ molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to four different molecules. Typing for these polymorphisms is routinely done for bone marrow

transplantation. [provided by RefSeq]

Other Designations: Gluten-sensitive enteropathy (celiac disease),MHC HLA-DQ alpha,MHC class II HLA-D alpha glycoprotein,MHC class II HLA-DQ-alpha-1,MHC class II antigen,MHC class II surface glycoprotein,OTTHUMP00000029141,OTTHUMP00000176885,OTTHUMP00000178551,OTTHUMP0000017

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