

# Product Information

## MemDX™ Membrane Protein Human CD74 (CD74 molecule) with GST-tag for Antibody

### Discovery

Cat. No.: **MP0202X**

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

This product is a 43.34 kDa Human CD74 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

CD74

#### Protein Length

Full-length

#### Molecular Weight

43.34 kDa

#### TMD

1

#### Sequence

MHRRRSRSCREDQKPVMDQQRDLISNNEQLPMLGRRPGAPESKCSRGLYTGFSILVTLLLAGQATTAYFLYQQQGRLDKLTVTS

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Form

Liquid

#### Purification

**Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

CD74

**Full Name**

CD74 molecule

**Introduction**

The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified

**Alternative Names**

DHLA; HLADG; Ia-GAMMA; CD74 antigen, CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated); HLA-DR-gamma, Ia-associated invariant chain; MHC HLA-DR gamma chain; gamma chain of class II antigens

**Gene ID**

[972](#)

**UniProt ID**

[P04233](#)