

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD74 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human CD74 Gln73-Met232 Accession # NP_004346
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CD74 is a transmembrane protein which, on antigen presenting cells, is the invariant chain that chaperones MHC class II dimers from the endoplasmic reticulum to the cell surface. The cytoplasmic portion of CD74 can be released by intramembrane cleavage and activate NFκB. CD74 is upregulated in several cancers and is also expressed by non-immune cells during inflammation. This antibody was raised to a splice variant of human CD74 which lacks the Thyroglobulin type-1 repeat in the extracellular domain. Within comparable regions, human CD74 shares 70% and 73% amino acid sequence identity with mouse and rat CD74, respectively.

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