

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD24 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human CD24 Ser27-Gly59 Accession # NP_037362
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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.
Immunohistochemistry	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

CD24 (signal transducer 24; also HSA/heat shock antigen) is a variably glycosylated, 35-50 kDa member of the CD24 family of proteins. It is a GPI-linked sialoprotein that is expressed on B cell precursors and unactivated B cells, keratinocytes, and neutrophils and thymocytes. Ligation of CD24 appears to inhibit B cell differentiation, likely through the initiation of apoptosis. Potential CD24 ligands include P-Selectin. The human CD24 precursor is 80 amino acids (aa) in length. It contains a 26 aa signal sequence plus a cleavable C-terminal propeptide (aa 60-80). There is one potential alternate start site at Met5. Over aa 27-59, human CD24 shares only 30% aa identity with mouse CD24.

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