

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD43 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CD43 Ser20-Arg253 Accession # P16150
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	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

CD43 (leukosialin, sialophorin, also Ly-48 in mouse) is a type I transmembrane (TM) sialated mucin that is found on leukocytes and tumor cells. It is synthesized as a 397 amino acid (aa) precursor that contains a 19 aa signal sequence, a 234 aa extracellular region, a 23 aa TM domain, and a 123 aa cytoplasmic tail that contains an NLS. The extracellular region has 12% proline and 38% threonine and serine and shows both N- and O-linked glycosylation. Human CD43 extracellular region has less than 60% aa identity to the extracellular regions in rat and mouse.

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