

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SRCRB4D in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human CD163 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human SRCRB4D isoform 1 Ala45-Ser575 Accession # Q8WTU2
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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

AMSH (Associated molecule with SH3 domain of STAM) is a 50 kDa member of the peptidase M67C class of enzymes. It is widely expressed and serves two functions. First, it promotes receptor recycling by counteracting the effects of ubiquitinating enzymes, and second, it participates in cytokine signal transduction by forming a complex with Jak2/3, STAM and the common β- and γ-chains. Human AMSH is 424 amino acids (aa) in length. It contains an NLS (aa 113-127), two SH3-binding motifs (aa 195-198 and 227-231), and one MPN domain (aa 252-361). There are five phosphorylation sites at Ser2, 48, 243, 245 and 247. AMSH has one potential splice variant that shows a 17 aa substitution for aa 1-68. Full-length human AMSH is 83% aa identical to mouse AMSH.

PRODUCT SPECIFIC NOTICES

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