

DESCRIPTION

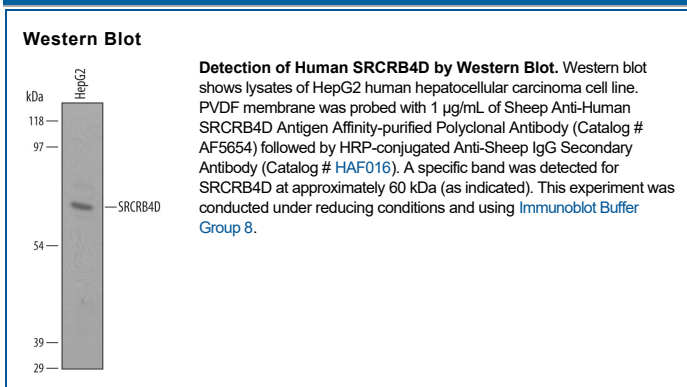
Species Reactivity	Human
Specificity	Detects human SRCRB4D in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human CD163 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human SRCRB4D isoform 1 Ala45-Ser575 Accession # Q8WTU2
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.