

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse AMIGO3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 5% cross-reactivity with recombinant mouse AMIGO2 is observed and less than 2% cross-reactivity with recombinant human AMIGO1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse AMIGO3 Thr20-Pro378 Accession # Q8C2S7
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

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	0.1 µg/mL	Recombinant Mouse AMIGO3
Flow Cytometry	0.25 µg/10 ⁶ cells	Mouse splenocytes
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

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.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <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

AMIGO3 is a member of the AMIGO family of type I transmembrane proteins that contain 6 leucine-rich repeats (CRRs) and one Ig domain in their extracellular domains. It is ubiquitously expressed and is detected in all tissues studied. AMIGO3 shows less than 40% amino acid sequence homology with AMIGO1 and 2. The extracellular domain of mouse AMIGO3 shares 90% and 75% amino acid sequence identity with that of rat and human AMIGO3, respectively.