

DESCRIPTION

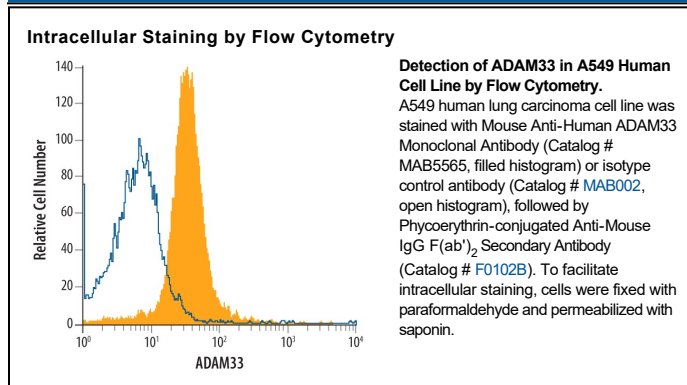
Species Reactivity	Human
Specificity	Detects human ADAM33 in direct ELISAs. In direct ELISAs, less than 5% cross-reactivity with recombinant mouse ADAM33 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 508101
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ADAM33 Val30-Leu501 (predicted) Accession # Q9BZ11
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
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Human ADAM33, see our available Western blot detection antibodies
Intracellular Staining by Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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

ADAM33 is a widely expressed member of the ADAM family of transmembrane proteins. It contains a metalloprotease-like domain, disintegrin cell adhesion domain, and cysteine rich domain. ADAM33 is involved in the maintenance of airway function, and ADAM33 polymorphisms have been associated with asthma susceptibility and bronchial hyperresponsiveness. Within the mature ectodomain, human and mouse ADAM33 share 79% amino acid sequence identity.