

Human ADAM33 Alexa Fluor® 750-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # 508101

Catalog Number: IC5565S

100 µg

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
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ cells	A549 human lung carcinoma cell line fixed with paraformaldehyde and permeabilized with saponin

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

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.

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