

Product datasheet

ADAM33 peptide (637-650) ab45734

Overview

Product name ADAM33 peptide (637-650)

Description

Nature Synthetic

Amino Acid Sequence

Species Human

Sequence CQSRRRCRKNAFQEL

Amino acids 637 to 650

Specifications

Our [Abpromise guarantee](#) covers the use of **ab45734** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Blocking - Blocking peptide for Anti-ADAM33 antibody ([ab36172](#))

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

General Info

Tissue specificity Expressed in all tissues, except liver, with high expression in placenta, lung, spleen and veins.

Involvement in disease Genetic variations in ADAM33 are associated with susceptibility to asthma (ASTHMA) [MIM:600807]. The most common chronic disease affecting children and young adults. It is a complex genetic disorder with a heterogeneous phenotype, largely attributed to the interactions among many genes and between these genes and the environment. It is characterized by recurrent attacks of paroxysmal dyspnea, with weezing due to spasmodic contraction of the bronchi.

Sequence similarities Contains 1 disintegrin domain.
Contains 1 EGF-like domain.
Contains 1 peptidase M12B domain.

Domain	The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.
Post-translational modifications	The precursor is cleaved by a furin endopeptidase.
Cellular localization	Membrane.

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