

## Basic Information

<b>Product Name</b>	Anti-ACTN3 DyLight 488 Conjugated Antibody
<b>Gene Name</b>	ACTN3
<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human
<b>Tested Application</b>	FCM
<b>Contents</b>	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence at the C-terminus of human ACTN3 (574-617aa EADRERGAIMGIQGEIQKICQTYGLRPCSTNPYITLSPQDINT K), different from the related mouse sequence by five amino acids.
<b>fluorophores</b>	Amax=488nm; Emax=515-545nm
<b>Conjugate</b>	DyLight 488
<b>concentration</b>	500ug/ml
<b>Purification</b>	Immunogen affinity purified.
<b>Dilution Ratios</b>	Flow cytometry (FCM):1-3 µg/1x10 <sup>6</sup> cells

## Storage

At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.

## Background Information

Alpha-actinin-3, also known as alpha-actinin skeletal muscle isoform 3 or F-actin cross-linking protein, is a protein that in humans is encoded by the ACTN3 gene. This gene encodes a member of the alpha-actin binding protein gene family. The encoded protein is primarily expressed in skeletal muscle and functions as a structural component of sarcomeric Z line. This protein is involved in crosslinking actin containing thin filaments. An allelic polymorphism in this gene results in both coding and non-coding variants; the reference genome represents the coding allele. The non-functional allele of this gene is associated with elite athlete status.

## Selected Validation Data

Product datasheet

**Anti-ACTN3 DyLight 488 Conjugated  
Antibody**

**Catalog Number: A02693-Dyl488**

**BOSTER**

antibody and ELISA experts

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