



## Product datasheet

### FITC Anti-BACE1 antibody [027] ab275650

Recombinant

2 Images

#### Overview

<b>Product name</b>	FITC Anti-BACE1 antibody [027]
<b>Description</b>	FITC Rabbit monoclonal [027] to BACE1
<b>Host species</b>	Rabbit
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra)
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment (His-tag) corresponding to Human BACE1 aa 1-500 (extracellular). NP_036236.1. Polyhistidine tag at C-terminal. Database link: <a href="#">P56817</a>
	 <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	Flow Cyt (Intra): Jurkat cells.

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze. Store In the Dark.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituent: 0.5% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	027
<b>Isotype</b>	IgG

#### Applications

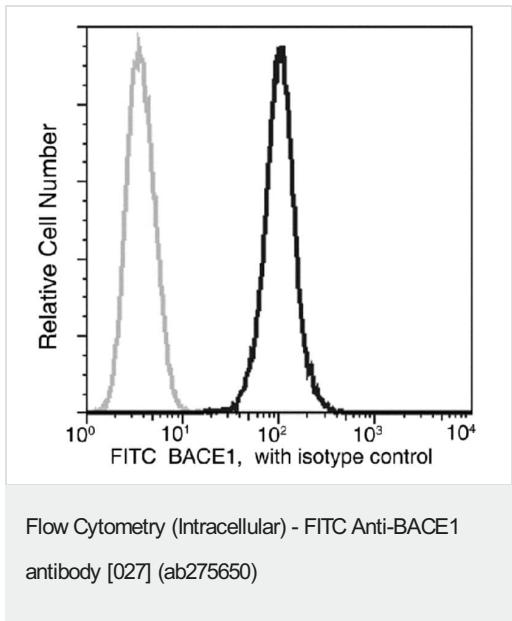
**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab275650 in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration. 10 µl/Test

## Target

<b>Function</b>	Responsible for the proteolytic processing of the amyloid precursor protein (APP). Cleaves at the N-terminus of the A-beta peptide sequence, between residues 671 and 672 of APP, leads to the generation and extracellular release of beta-cleaved soluble APP, and a corresponding cell-associated C-terminal fragment which is later released by gamma-secretase.
<b>Tissue specificity</b>	Expressed at high levels in the brain and pancreas. In the brain, expression is highest in the substantia nigra, locus coruleus and medulla oblongata.
<b>Sequence similarities</b>	Belongs to the peptidase A1 family.
<b>Domain</b>	The transmembrane domain is necessary for its activity. It determines its late Golgi localization and access to its substrate, APP.
<b>Post-translational modifications</b>	Glycosylated.
<b>Cellular localization</b>	Membrane. Golgi apparatus > trans-Golgi network. Endoplasmic reticulum. Endosome. Cell surface. Predominantly localized to the later Golgi/trans-Golgi network (TGN) and minimally detectable in the early Golgi compartments. A small portion is also found in the endoplasmic reticulum, endosomes and on the cell surface.

## Images



Intracellular flow cytometric analysis of Jurkat (human T cell leukemia cell line from peripheral blood) cells labeling BACE1 with ab275650 (Balck) compared with isotype control (Grey). The cells were treated according to manufacturers manual. The Fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

FITC Anti-BACE1 antibody [027] (ab275650)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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