

## Spectrin beta 1 antibody [4C3]

**Cat. No. GTX22808**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Applications</b>	WB, ICC/IF, IHC-P, FCM, IHC
<b>Reactivity</b>	Human, Mouse, Rat

**Package**  
100 µl

## Applications

**Application Note**

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:100
ICC/IF	1:10-1:200
IHC-P	1:20-1:200
FCM	0.5-2 µg/test
IHC	Assay dependent

**Note : If paraformaldehyde is used as a fixative, exposure should be limited to 5 minutes or less of no more than a 2% solution. If paraformaldehyde is used as a fixative, exposure should be limited to 5 minutes or less of no more than a 2% solution.**

Not tested in other applications.

**Calculated MW** 246 kDa. ([Note](#))

**Product Note**

This antibody has been shown to specifically detect the two known alternatively spliced forms of spectrin, beta-1 epsilon-1, present in erythrocytes, and beta-1 epsilon-2, present in nerve and striated muscle cells. It does not cross-react with alpha-2 spectrin or either of the fodrin subunits.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	Ascites diluted with PBS
<b>Preservative</b>	0.05% Sodium azide
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Immunogen</b>	Purified human erythrocyte beta-1 spectrin.
<b>Purification</b>	Unpurified



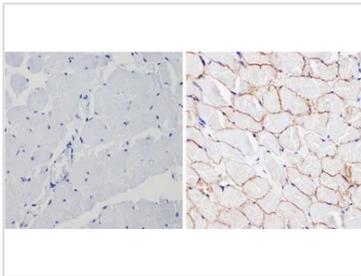
For full product information, images and publications, please visit our [website](#).

**Conjugation** Unconjugated

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**Note**  
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



**GTX22808 IHC-P Image**

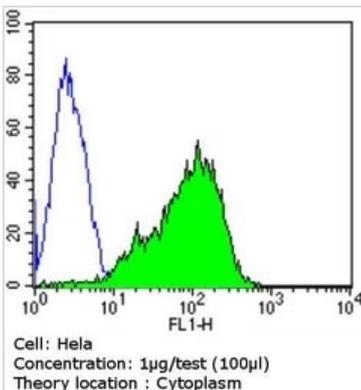
IHC-P analysis of human skeletal muscle using GTX22808 Spectrin beta 1 antibody [4C3].

Right : Primary antibody

Left : Negative control without primary antibody

Antigen retrieval : 10mM sodium citrate (pH 6.0) microwaved for 8-15 min

Dilution : 1:200



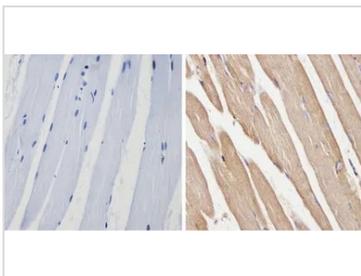
**GTX22808 FCM Image**

FACS analysis of HeLa cells using GTX22808 Spectrin beta 1 antibody [4C3] compared to an isotype control (blue).

Dilution : 1 ug/test for 60 min at room temperature

Fixation : 2% paraformaldehyde

Permeabilization : 90% methanol and incubated for 10 minutes at room temperature



**GTX22808 IHC-P Image**

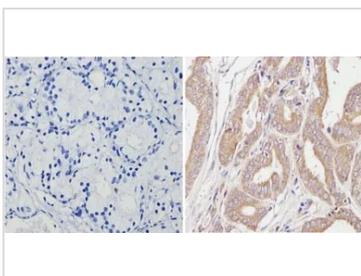
IHC-P analysis of mouse skeletal muscle using GTX22808 Spectrin beta 1 antibody [4C3].

Right : Primary antibody

Left : Negative control without primary antibody

Antigen retrieval : 10mM sodium citrate (pH 6.0) microwaved for 8-15 min

Dilution : 1:20



**GTX22808 IHC-P Image**

IHC-P analysis of human prostate carcinoma tissue using GTX22808 Spectrin beta 1 antibody [4C3].

Right : Primary antibody

Left : Negative control without primary antibody

Antigen retrieval : 10mM sodium citrate (pH 6.0) microwaved for 8-15 min

Dilution : 1:20



For full product information, images and publications, please visit our [website](#).