

## Product datasheet

# Anti-Hsp27 antibody [G3.1] (DyLight® 488) ab115639

### 画像数 1

#### 製品の概要

製品名	Anti-Hsp27 antibody [G3.1] (DyLight® 488)
製品の詳細	Mouse monoclonal [G3.1] to Hsp27 (DyLight® 488)
標識	DyLight® 488. Ex: 493nm, Em: 518nm
アプリケーション	適用あり: Flow Cyt
種交差性	交差種: Human, Monkey
免疫原	Native Human Hsp27 protein.

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	pH: 7.50 Preservative: 0.09% Sodium azide Constituent: 99% PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	G3.1
アイソタイプ	IgG1

#### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab115639** in the following tested applications.

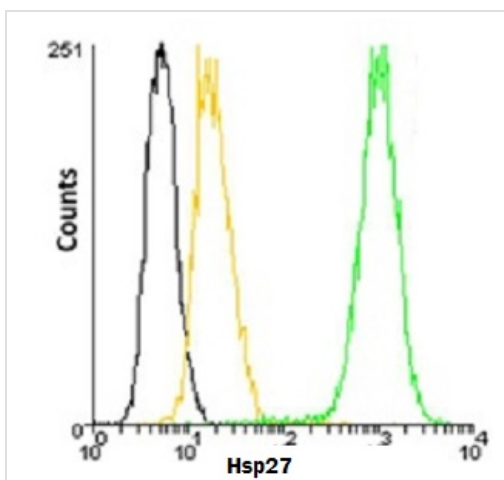
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
Flow Cyt		Use a concentration of 50 µg/ml.

#### ターゲット情報

<b>機能</b>	Involved in stress resistance and actin organization.
<b>組織特異性</b>	Detected in all tissues tested: skeletal muscle, heart, aorta, large intestine, small intestine, stomach, esophagus, bladder, adrenal gland, thyroid, pancreas, testis, adipose tissue, kidney, liver, spleen, cerebral cortex, blood serum and cerebrospinal fluid. Highest levels are found in the heart and in tissues composed of striated and smooth muscle.
<b>関連疾患</b>	<p>Defects in HSPB1 are the cause of Charcot-Marie-Tooth disease type 2F (CMT2F) [MIM:606595]. CMT2F is a form of Charcot-Marie-Tooth disease, the most common inherited disorder of the peripheral nervous system. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathy or CMT1, and primary peripheral axonal neuropathy or CMT2. Neuropathies of the CMT2 group are characterized by signs of axonal regeneration in the absence of obvious myelin alterations, normal or slightly reduced nerve conduction velocities, and progressive distal muscle weakness and atrophy. Nerve conduction velocities are normal or slightly reduced. CMT2F onset is between 15 and 25 years with muscle weakness and atrophy usually beginning in feet and legs (peroneal distribution). Upper limb involvement occurs later. CMT2F inheritance is autosomal dominant.</p> <p>Defects in HSPB1 are a cause of distal hereditary motor neuronopathy type 2B (HMN2B) [MIM:608634]. Distal hereditary motor neuronopathies constitute a heterogeneous group of neuromuscular disorders caused by selective impairment of motor neurons in the anterior horn of the spinal cord, without sensory deficit in the posterior horn. The overall clinical picture consists of a classical distal muscular atrophy syndrome in the legs without clinical sensory loss. The disease starts with weakness and wasting of distal muscles of the anterior tibial and peroneal compartments of the legs. Later on, weakness and atrophy may expand to the proximal muscles of the lower limbs and/or to the distal upper limbs.</p>
<b>配列類似性</b>	Belongs to the small heat shock protein (HSP20) family.
<b>翻訳後修飾</b>	Phosphorylated in MCF-7 cells on exposure to protein kinase C activators and heat shock.
<b>細胞内局在</b>	Cytoplasm. Nucleus. Cytoplasm > cytoskeleton > spindle. Cytoplasmic in interphase cells. Colocalizes with mitotic spindles in mitotic cells. Translocates to the nucleus during heat shock and resides in sub-nuclear structures known as SC35 speckles or nuclear splicing speckles.

**画像**



Flow cytometry analysis of 105 HeLa cells labeling Hsp27 with ab115639 at concentration 50µg/mL. Yellow - IgG Dylight 488 control; Black - Unstained cells.

Flow Cytometry - Anti-Hsp27 antibody [G3.1]  
(DyLight® 488) (ab115639)

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