

## Product datasheet

# Anti-Spi2A antibody [MoFo29.2] ab28358

1 Image

### Overview

---

<b>Product name</b>	Anti-Spi2A antibody [MoFo29.2]
<b>Description</b>	Armenian Hamster monoclonal [MoFo29.2] to Spi2A
<b>Specificity</b>	ab28358 recognises mouse Serine Protease Inhibitor 2A (Spi2A).
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Synthetic peptide corresponding to Mouse Spi2A aa 406-426 (C terminal). Sequence: NPERSTNFPNGEGASSQRC  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Epitope</b>	ab28358 reacts with an epitope located in the region encoded by amino acids 406 - 426 including the C terminus of Spi2A.

### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	Preservative: 0.1% Sodium Azide Constituents: PBS
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MoFo29.2
<b>Myeloma</b>	Sp2/0
<b>Isotype</b>	IgG

### Applications

---

Our [Abpromise guarantee](#) covers the use of **ab28358** in the following tested applications.

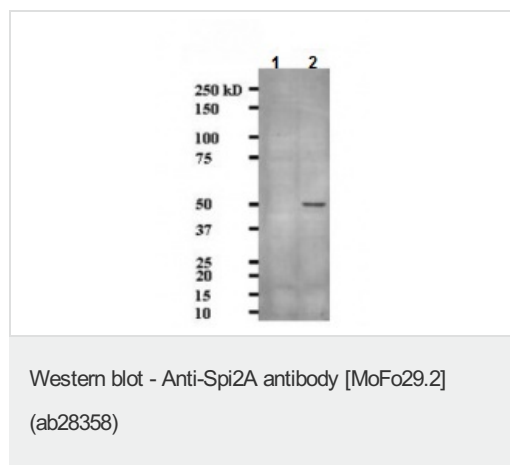
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 49 kDa.

## Target

<b>Function</b>	Serine and cysteine protease inhibitor. Can inhibit lysosomal papain-like proteases including the cathepsins B, G, H, K, L and V. Ineffective against elastase, granzyme A, granzyme B, or caspases 3, 8 or 9. Inhibition of cytoplasmic cathepsin B following release from the lysosome may protect cells from apoptosis. This may facilitate the survival of progenitor T-cells and the subsequent development of long term memory CD8 T-cells.
<b>Tissue specificity</b>	Expressed in bone marrow (particularly hematopoietic stem cells), heart, kidney, liver, lung, skeletal muscle, spleen, testis, thymus and T-cells.
<b>Sequence similarities</b>	Belongs to the serpin family.
<b>Developmental stage</b>	T-cell specific expression rises during the differentiation of CD8 T-cell progenitors into memory CD8 T-cells.
<b>Domain</b>	The reactive center loop (RCL) extends out from the body of the protein and directs binding to the target protease. The protease cleaves the serpin at the reactive site within the RCL, establishing a covalent linkage between the serpin reactive site and the protease. The resulting inactive serpin-protease complex is highly stable (By similarity). Variability within the reactive center loop (RCL) sequences of Serpina3 paralogs may determine target protease specificity.
<b>Cellular localization</b>	Cytoplasm. Nucleus.

## Images



**All lanes :** Anti-Spi2A antibody [MoFo29.2] (ab28358)

**Lane 1 :** NIH 3T3 transfected cells with Bcl3

**Lane 2 :** NIH 3T3 transfected cells with Spi2A

**Predicted band size :** 49 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Promise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors