

Product datasheet

Anti-Spi2A antibody [MoFo29.2] ab28358

1 Image

Overview

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

Properties

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

Applications

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

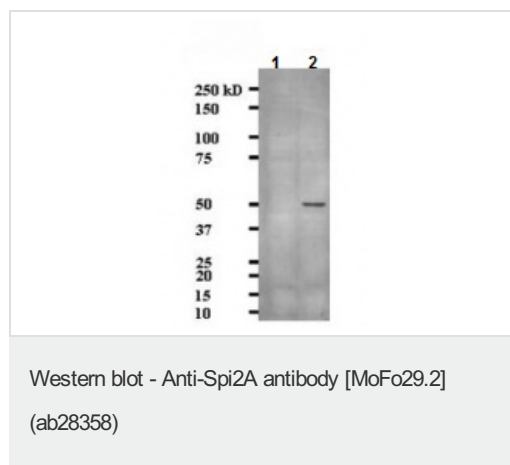
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

Function	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.
Tissue specificity	Expressed in bone marrow (particularly hematopoietic stem cells), heart, kidney, liver, lung, skeletal muscle, spleen, testis, thymus and T-cells.
Sequence similarities	Belongs to the serpin family.
Developmental stage	T-cell specific expression rises during the differentiation of CD8 T-cell progenitors into memory CD8 T-cells.
Domain	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.
Cellular localization	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

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