

# ABfinity™ STAM Recombinant Rabbit Oligoclonal Antibody

Store at 2°C to 8°C (short-term), or –20°C (long-term)

Catalog Number 710512

Pub. No. MAN0008339 Rev. 1.00

|                               |                          |   |                                 |
|-------------------------------|--------------------------|---|---------------------------------|
| <b>Clonality:</b> Oligoclonal | <b>Quantity:</b> 100 µg  | <b>Volume:</b> 200 µL                   | <b>Concentration:</b> 0.5 mg/mL |
| <b>Host/Class:</b> Rabbit IgG | <b>Reactivity:</b> Human | <b>Predicted Reactivity:</b> Human STAM |                                 |

## Product description

STAM (Signal transducing adaptor molecule) is an adaptor molecule involved in downstream signaling pathways mediated by growth factors and cytokines. STAM also plays an important role in endocytosis, the JAK-STAT signaling pathway, and membrane trafficking. In humans, the gene encoding STAM is located on chromosome 10.

## Product specifications

|                               |  |
|-------------------------------|--|
| <b>Immunogen:</b>             | Peptide corresponding to amino acids 194–202 of human STAM |
| <b>Apparent MW:</b>           | ~58 kDa  |
| <b>Gene ID:</b>               | 8027   |
| <b>Synonyms:</b>              | STAM-1   |
| <b>Protein Accession No.:</b> | Q92783   |
| <b>Sequence Identity:</b>     | Human  |
| <b>Sequence Homology:</b>     | Monkey, Cat, Dog, Rabbit, Bovine, Rat and Mouse            |
| <b>Clone:</b>                 | 7HCLC  |
| <b>Isotype:</b>               | IgG  |
| <b>Lot:</b>                   | See product label  |

## Product applications

| Application      | Species | Test Material | Concentration                     |
|------------------|---------|---------------|-----------------------------------|
| Western blotting | Mouse   | Mouse brain   | 2.5 µg/mL                         |
| ELISA            | Human   | Peptide       | 1.5 × 10 <sup>-4</sup> to 3 µg/mL |

## Storage and handling

Store the antibody at 2°C to 8°C for up to 1 month, or –20°C for long storage. Avoid repeated freezing and thawing.

## Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

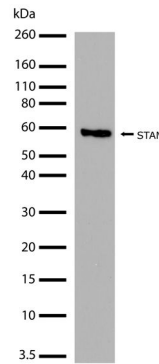


Figure 1 Western blot analysis of ABfinity™ STAM Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710512).

Western blot analysis was performed on whole cell extracts from mouse brain. Endogenous level of STAM was detected at ~58 kDa using ABfinity™ STAM Oligoclonal Antibody at a concentration of 2.5 µg/mL, followed by Goat Anti-Rabbit HRP (Cat. no. G21234) as a secondary antibody. The blot was developed using enhanced chemiluminescence (ECL) method.

## Storage buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.



**CAUTION!** Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

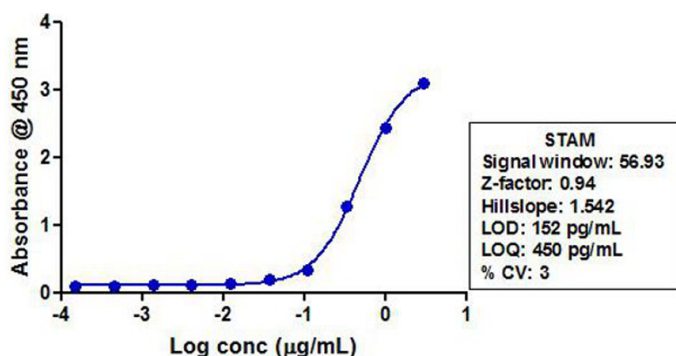


Figure 2 Indirect ELISA of ABfinity™ STAM Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710512).

Indirect ELISA was performed to detect various dilutions of ABfinity™ STAM Recombinant Rabbit Oligoclonal Antibody, followed by Goat Anti- Rabbit HRP (Cat. no. G21234), to detect STAM peptide coated onto the plate. A non-linear regression analysis was performed (4 PL), LOD, and LOQ for the antibody was determined.

## Product documentation

To obtain a Certificate of Analysis or Safety Data Sheet (SDS), visit <http://www.lifetechnologies.com/support>.

## Explanation of symbols

| Symbol | Description                  | Symbol | Description                             | Symbol | Description |
|--------|------------------------------|--------|---|--------|-------------|
|        | Manufacturer                 |        | Catalog number                          |        | Batch code  |
|        | Use by                       |        | Temperature limitation                  |        |             |
|        | Consult instructions for use |        | Caution, consult accompanying documents |        |             |

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