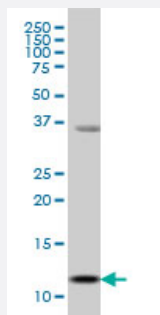


# S100A13 monoclonal antibody (M01), clone 3A7

Catalog # H00006284-M01

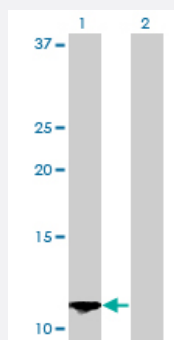
Size 100 ug

## Applications



### Western Blot (Cell lysate)

S100A13 monoclonal antibody (M01), clone 3A7 Western Blot analysis of S100A13 expression in MCF-7 ( Cat # L046V1 ).

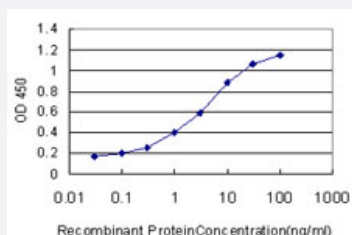


### Western Blot (Transfected lysate)

Western Blot analysis of S100A13 expression in transfected 293T cell line by S100A13 monoclonal antibody (M01), clone 3A7.

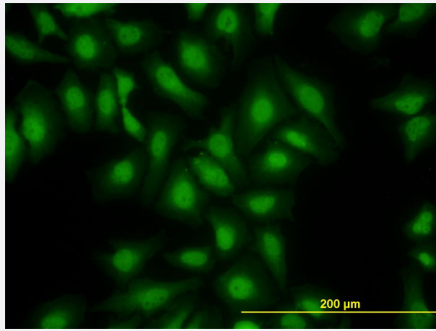
Lane 1: S100A13 transfected lysate(11.5 KDa).

Lane 2: Non-transfected lysate.



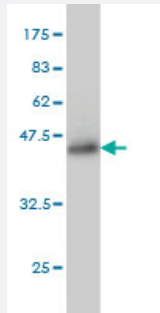
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged S100A13 is approximately 0.1ng/ml as a capture antibody.



## Immunofluorescence

Immunofluorescence of monoclonal antibody to S100A13 on HeLa cell.  
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.52 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant S100A13.
<b>Immunogen</b>	S100A13 (NP_005970, 1 a.a. ~ 98 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MAAEPLTELEESIETVVTTFFTFARQEGRKDSLVSNEFKELVTQQLPHLLKDVGSLDEKMKSLDV NQDSELKFNEYWRLIGELAKEIRKKKDLKIRKK
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

S100A13 monoclonal antibody (M01), clone 3A7 Western Blot analysis of S100A13 expression in MCF-7 ( Cat # L046V1 ).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of S100A13 expression in transfected 293T cell line by S100A13 monoclonal antibody (M01), clone 3A7.

Lane 1: S100A13 transfected lysate(11.5 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged S100A13 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to S100A13 on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — S100A13

Entrez GeneID	<a href="#">6284</a>
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GeneBank Accession#	<a href="#">NM_005979</a>
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Protein Accession#	<a href="#">NP_005970</a>
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Gene Name	S100A13
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Gene Alias	-
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Gene Description	S100 calcium binding protein A13
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Omim ID	<a href="#">601989</a>
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Gene Ontology	<a href="#">Hyperlink</a>
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**Gene Summary**

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein is widely expressed in various types of tissues with a high expression level in thyroid gland. In smooth muscle cells, this protein co-expresses with other family members in the nucleus and in stress fibers, suggesting diverse functions in signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

**Other Designations**

OTTHUMP00000034802|S100 calcium-binding protein A13

**Publication Reference**

- [Annexin A2 Flop-Out Mediates the Non-Vesicular Release of DAMPs/Alarmins from C6 Glioma Cells Induced by Serum-Free Conditions.](#)

Hayato Matsunaga, Sebok Kumar Halder, Hiroshi Ueda.

Cells 2021 Mar; 10(3):567.

Application: PLA, ELISA(protein binding assay), Rat, C6 glioma cells

- [Involvement of SNARE Protein Interaction for Non-classical Release of DAMPs/Alarmins Proteins, Prothymosin Alpha and S100A13.](#)

Hayato Matsunaga, Sebok Kumar Halder, Hiroshi Ueda.

Cellular and Molecular Neurobiology 2021 Nov; 41(8):1817.

Application: ICC, WB, Human, C6 cell