

TRAF1 (TNF receptor-associated factor 1) (H3)

Mouse anti-human TRAF1 (TNF receptor-associated factor 1) Monoclonal Antibody (clone H3)

REFERENCES AND PRESENTATIONS¹

- ready-to-use (manual or LabVision AutoStainer)
 MAD-000438QD–3
 MAD-000438QD–7
 MAD-000438QD–12
- Ready-to-use (MD-Stainer)²
 MAD-000438QD-3/V
 MAD-000438QD/V
- concentrated MAD-000438Q - 1:20 recommended dilution

COMPOSITION

Anti-human TRAF1 (TNF receptor-associated factor 1) mouse monoclonal antibody purified from serum and prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide

INTENDED USE The Immunohistochemistry (IHC) on paraffin embedded tissues. Not tested on frozen tissues or Western-Blotting CLONE: H3

Ig ISOTYPE: IgG1

IMMUNOGEN: Synthetic peptide corresponding to aa 173-295 of the central region of human TRAF-1. **SPECIES REACTIVITY:** In vitro diagnostics in humans. Not tested in other species

DESCRIPTION AND APPLICATIONS:

This antibody recognises TRAF1, with a molecular mass of 52 kDa, codified by *TRAF1* gene, located in chromosome 9q33.2. TRAF (TNF receptor-associated factor) constitutes a family of adapter proteins (TRAFs 1-6) that bind to different membrane receptors to initiate different signalling pathways related to cell death and survival through the activation of NF-κB and pro-mitogenic protein kinases. Tumour necrosis factor (TNF) activates different cellular signals through TNF-R1 and TNF-R2 receptors, belonging to the TNF receptor superfamily, which includes CD95 or FAS and CD40. TRAF1 and TRAF2 are TNF receptor-associated

factor 1 and 2, respectively. Together, they form a heterodymeric complex associated with TNF-R2's intracytoplasmic domain. A third member of the family, or TRAF-3 (also known as CD40bp, CRAF-1 or LAP1), has been identified; it associates with the intracytoplasmic domain of CD40.

TRAF is the major signal transducer for TNF and IL-1/TLR receptor superfamilies, playing an important role in innate and adaptive immunity.

TRAF1 is expressed in cells latently infected with Epstein-Barr virus. It may be a useful indicator in EBV-associated nasopharyngeal carcinomas by predicting the induction of apoptosis secondary to chemotherapy.

IHC POSITIVE CONTROL: Primary mediastinal lymphoma tissue section, normal kidney. VISUALIZATION: Cell membrane.

IHC RECOMMENDED PROCEDURE:

- 4µm thick section should be taken on charged slides; dry overnight at 60 °C
- Deparaffinise, rehydrate and HIER (heat induced epitope retrieval) – boil tissue in the Pt Module using Vitro S.A EDTA buffer pH8³ for 20 min at 95°C. Upon completion rinse with 3-5 changes of distilled or deionised water followed by cooling at RT for 20 min
- Endogenous peroxidase block Blocking for 10 minutes at room temperature using peroxidase solution (ref. MAD-021540Q-125)
- Primary antibody: incubate for 20 minutes [The antibody dilution (when concentrated) and protocol may vary depending on the specimen preparation and specific application. Optimal conditions should be determined by the individual laboratory]
- For detection use Master Polymer Plus Detection System (HRP) (DAB included; ref. MAD-000237QK)
- Counterstaining with haematoxylin and final mounting of the slide

STORAGE AND STABILITY: Stored at 2-8°C. Do not freeze. Once the packaging has been opened it can be stored until the expiration date of the reagent indicated on the label. If the reagent has been stored under other conditions to those indicated in this



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¹ These references are for presentation in vials of Low Density Polyethylene (LDPE) dropper. In case the products are used in automated stainers, a special reference is assigned as follows: - / L: Cylindrical screw-cap vials (QD-3 / L, QD-7 / L, QD-12 / L).

 [/] L: Cylindrical screw-cap vials (QD-3 / L, QD-7 / L, QD-12 / L).
 / N: Polygonal screw-cap vials (QD-3 / N, QD-7 / N, QD-12 / N).

For different presentations (references / volumes) please contact the supplier.

² For Technical specifications for MD-Stainer, please contact your distributor.

³ Ref: MAD-004072R/D



document, the user must first check its correct performance taking into account the product warranty is no longer valid.

WARNINGS AND PRECAUTIONS:

 Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
 This product is harmful if swallowed.

3. Consult local or state authorities with regard to recommended method of disposal.

4. Avoid microbial contamination of reagents.

SAFETY RECOMMENDATIONS

This product is intended for laboratory professional use only. The product is NOT intended to be used as a drug or for domestic purposes. The current version of the Safety Data Sheet for this product can be downloaded by searching the reference number at <u>www.vitro.bio</u> or can be requested at <u>regulatory@vitro.bio</u>.

BIBLIOGRAPHY

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LABEL AND BOX SYMBOLS

Explanation of the symbols of the product label and box:

\sum	Expiration date
×.	Temperature limit
	Manufacturer
Σ	Sufficient content for <n> assays</n>
REF	Catalog number
LOT	Lot code
ĺ	Refer to the instructions of use
IVD	Medical product for <i>in vitro</i> diagnosis.
* •-5D5 >	Material safety data sheet

