**Anti-Human Caspase 8 Purified**

**Catalog Number:** 14-9934  
**Also Known As:** Caspase8  
**RUO:** For Research Use Only. Not for use in diagnostic procedures.

Jurkat cell lysates nonreduced (lane 1) or reduced (lane 2) were resolved by SDS-PAGE then immunoblotted with 2 µg/ml of Anti-Human Caspase 8 Purified. Bands were visualized using Anti-Rat IgG HRP.

**Product Information**

- **Contents:** Anti-Human Caspase 8 Purified  
  **Catalog Number:** 14-9934  
  **Clone:** 1H10  
  **Concentration:** 0.5 mg/mL  
  **Host/Isotype:** Rat IgG2a

- **Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

- **Temperature Limitation:** Store at 2-8°C.

- **Batch Code:** Refer to Vial

- **Use By:** Refer to Vial

- **Caution:** contains Azide

**Description**

The monoclonal antibody 1H10 recognizes human Caspase-8 also known as FLICE and MACH, a member of the cysteine-requiring aspartate protease family. Caspase-8 is an upstream caspase responsible for Fas and TNF-α mediated apoptosis. After activation of the Fas or TNF receptors by their ligands, the adaptor molecule FADD binds to the receptor and recruits caspase-8 to the membrane. The formation of this complex induces the cleavage and activation of caspase-8. The active form of caspase-8, made of a heterotetramer of p18 and p10, is released in the cytoplasm and activates downstream apoptotic proteases (caspase-3, -4, -6, -7, -9 and -10). Several (> 8) isoforms have been identified: 3 different pro-forms called Caspase-8a (55kDa), Caspase-8b (53kDa), and Caspase-8L which is procaspase-8 with an additional N-terminal extension of 59 aa.

The 1H10 antibody recognizes the p55 and p53 proforms in addition to the p43 and p18 cleaved forms. Under reducing conditions, an additional band (possibly non-specific) around 35kDa may be present. Under nonreducing conditions, this band is absent.

**Applications Reported**

This 1H10 antibody has been reported for use in immunoblotting (WB).

**Applications Tested**

This 1H10 antibody has been tested by immunoblot analysis of cell lines. This can be used at 1-5 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**References**


**Related Products**

- 14-4321 Rat IgG2a K Isotype Control Purified (eBR2a)
- 14-9944 Anti-Human Bid Purified (1H11)