



Qty: 100 µg/200 µL

## Mouse anti-β-TrCP

For Research Use Only

Catalog No. 37-3400

Lot No.

## Mouse anti-β-TrCP

### FORM

This monoclonal antibody is supplied as a 200 µL aliquot at a concentration of 0.5 mg/mL in PBS, pH 7.4, containing 0.1% sodium azide. This antibody is highly purified from mouse ascites by protein A chromatography.

**CLONE:** 1B1D2

**ISOTYPE:** Mouse IgG<sub>1</sub>-kappa

### IMMUNOGEN

Recombinant human β-TrCP fusion protein

### SPECIFICITY

This antibody recognizes the ~70 kDa β-TrCP and does not exhibit cross reactivity with other proteins in Western blot applications.

### REACTIVITY

Reactivity has been confirmed with human β-TrCP-transfected HEK293 cell lysates.

Sample	ELISA	Immunoprecipitation	Western Blotting
Human	ND	+++	+++
Immunogen	+++	ND	ND

(Excellent +++, Good++, Poor +, No reactivity 0, Not applicable N/A, Not Determined ND)

### USAGE

Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

**Western Blotting:** 1-3 µg/mL  
**Immunoprecipitation:** 7 µg/ IP reaction  
**ELISA:** 0.1-1 µg/mL

### STORAGE

Store at 2-8°C for up to one month. Store at -20°C for long-term storage. Avoid repeated freezing and thawing.

(cont'd)

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**BACKGROUND**

$\beta$ -TrCP plays a relevant role in the control of stability of several key protein factors.<sup>1</sup> In *Xenopus*,  $\beta$ -TrCP acts as an inhibitor of Wnt signaling and dorsal axis formation. A variety of cellular stress can induce the level of  $\beta$ -TrCP mRNA and protein levels in human cells. Activation of stress-activated protein kinases JNK by forced expression of constitutively active mutants of JNKK2 and MKK6 also leads to accumulation of  $\beta$ -TrCP.<sup>2</sup> Another role played by  $\beta$ -TrCP is the targeting of Cdc25A for degradation by the Skp1/Cul1/F-box protein complex.<sup>3</sup>

**REFERENCES**

1. Ballarino M, et al. *Biochim Biophys Acta* 1577(1): 81-92, 2002.
2. Spiegelman VS, et al. *J Biol Chem* 276(29): 27152-27158, 2001.
3. Busino L, et al. *Nature* 426(6962): 87-91, 2003.

**RELATED PRODUCTS**

<b>Product</b>	<b>Conjugate</b>	<b>Cat. No.</b>
Protein A	Sepharose <sup>®</sup> 4B	10-1041
rec-Protein G	Sepharose <sup>®</sup> 4B	10-1241

<b>Conjugate</b>	<b>ZyMAX<sup>™</sup> Goat x Rabbit IgG (H+L)</b>	<b>ZyMAX<sup>™</sup> Goat x Mouse IgG (H+L)</b>
Purified	81-6100	81-6500
FITC	81-6111	81-6511
TRITC	81-6114	81-6514
Cy <sup>™</sup> 3	81-6115	81-6515
Cy <sup>™</sup> 5	81-6116	81-6516
HRP	81-6120	81-6520
AP	81-6122	81-6522
Biotin	81-6140	81-6540

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