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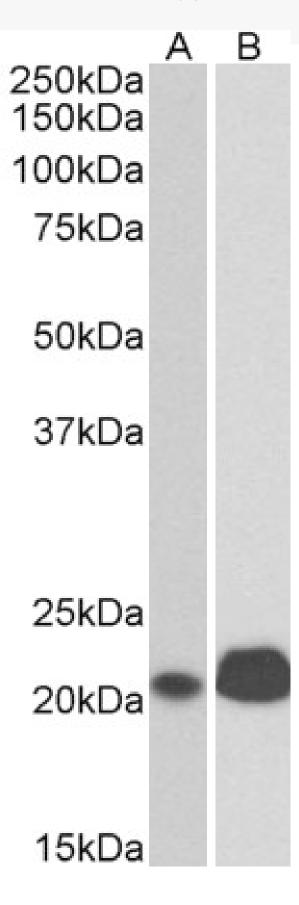
GOAT ANTI-CD3E (CYTOPLASMIC) ANTIBODY

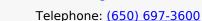
SKU: EB12592



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SPECIFICATIONS

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Unit Size 100 μg

Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Synonym / T-cell surface glycoprorotein CD3 epsilon chain|T-cell surface antigen T3/Leu-4 epsilon chain|T-cell antigen

Alias receptor complex, epsilon subunit of T3|CD3e antigen, epsilon polypeptide (TiT3 complex)|CD3-

 $epsilon|TCRE|T3E|IMD18|CD3e\ molecule,\ epsilon\ (CD3-TCR\ complex)|CD3E$ Names

Additional validation: This antibody has been successfully used in the following paper: Usage

Sikorski et al. (2018) PMID: 30377371. Summary

Accession

NP_000724.1

Blocking

ID

EBP12592 **Peptide**

Immunogen

Peptide with sequence C-RKGQRDLYSGLNQR, from the internal region of the protein sequence according to

NP 000724.1.

Product Comments

This antibody is designed to recognize the cytoplasmic domain (aa153-207) of the protein.

Peptide

C-RKGQRDLYSGLNQR

Human

Sequence

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography

Method

using the immunizing peptide.

Shipping

Refrigerated Instructions

Predicted

Species

Human, Rat, Pig

Reactive

Species

Human Gene ID

916

Rat Gene ID 315609

Product

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png

Grade **ELISA**

Detection

Antibody detection limit dilution 1:128000.

Limit

Blot

Western

Approx 22kDa band observed in lysates of cell lines Jurkat and Molt4 (calculated MW of 23.1kDa according to NP_000724.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour. This antibody has

been successfully used in WB on Human, PMID: 36078131.

Application

Pep-ELISA, WB

Type





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SELECTED REFERENCES

[{"pmid": 36078131, "intro": "This antibody has been successfully used in WB on Human:", "title": "A Cysteine Residue within the Kinase Domain of Zap70 Regulates Lck Activity and Proximal TCR Signaling.", "author": "Annika Schultz, Marvin Schnurra, Ali El-Bizri, Nadine M Woessner, Sara Hartmann, Roland Hartig, Susana Minguet, Burkhart Schraven, Luca Simeoni", "journal": "Cells. 2022 Sep 1;11(17):2723."}, {"pmid": 33225946, "intro": "**This antibody has** been successfully used in the following paper:", "title": "Tyrosine 192 within the SH2 domain of the Src-protein tyrosine kinase p56Lck regulates T-cell activation independently of Lck/CD45 interactions.", "author": "Matthias Kästle, Camilla Merten, Roland Hartig, Thilo Kaehne, Ardiyanto Liaunardy-Jopeace, Nadine M Woessner, Wolfgang W Schamel, John James, Susana Minguet, Luca Simeoni, Burkhart Schraven", "journal": "Cell Commun Signal. 2020 Nov 23;18(1):183."}, {"pmid": 30377371, "intro": "This antibody has been successfully used in the following paper:", "title": "A high-throughput pipeline for validation of antibodies", "author": "Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen", "journal": "Nat Methods. 2018 Nov;15(11):909-912"}]

GALLERY IMAGES





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