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GOAT ANTI-CD3E (CYTOPLASMIC) ANTIBODY

SKU: EB12592

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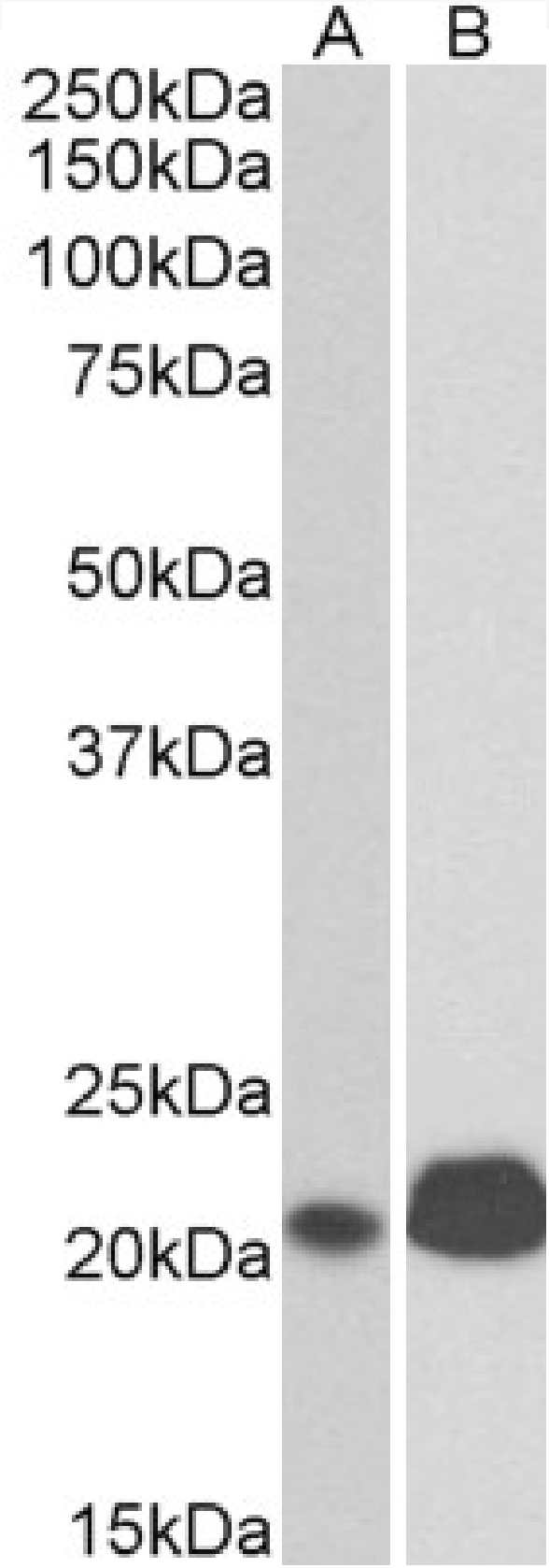

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SPECIFICATIONS

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 Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	T-cell surface glycoprorotein CD3 epsilon chain|T-cell surface antigen T3/Leu-4 epsilon chain|T-cell antigen receptor complex, epsilon subunit of T3|CD3e antigen, epsilon polypeptide (TiT3 complex)|CD3-epsilon|TCRE|T3E|IMD18|CD3e molecule, epsilon (CD3-TCR complex)|CD3E
Usage Summary	Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.
Accession ID	NP_000724.1
Blocking Peptide	EBP12592
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 Sequence	C-RKGQRDLYSGLNQR
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Rat, Pig
Reactive Species	Human
Human Gene ID	916
Rat Gene ID	315609
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:128000.
Western Blot	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 Type	Pep-ELISA, WB

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"}]

DOCUMENTS

- Data Sheet

GALLERY IMAGES

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