

Anti-STEAP2 Reference Antibody (AstraZeneca patent anti-STEAP2)

Catalog # APR11488

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q8NFT2
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1-REM-LFLE-PS
Calculated MW	56056

Additional Information

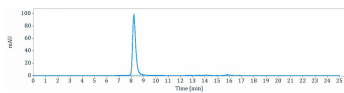
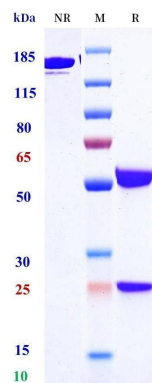
Target/Specificity	STEAP2
Expression system	CHO

Protein Information

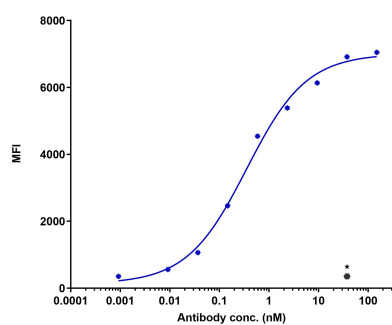
Name	STEAP2
Synonyms	PCANAP1, STAMP1
Function	Integral membrane protein that functions as a NADPH-dependent ferric-chelate reductase, using NADPH from one side of the membrane to reduce a Fe(3+) chelate that is bound on the other side of the membrane (By similarity). Mediates sequential transmembrane electron transfer from NADPH to FAD and onto heme, and finally to the Fe(3+) chelate (By similarity). Can also reduce Cu(2+) to Cu(1+) (By similarity).
Cellular Location	Endosome membrane {ECO:0000250 UniProtKB:Q8BWB6}; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed at high levels in prostate and at significantly lower levels in heart, brain, kidney, pancreas, and ovary.

Images

Anti-STEAP2 Reference Antibody (AstraZeneca patent anti-STEAP2) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-STEAP2 Reference Antibody (AstraZeneca patent anti-STEAP2) is 98.4%, determined by SEC-HPLC.



PLVX-puro-STEAP2-FL cell line were stained with AstraZeneca patent anti-STEAP2 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 24.83 nM.

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