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Anti-DPEP3 Reference Antibody (tamrintamab)

Recombinant Antibody
Catalog # APR10884

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q9H4B8
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	53687

Additional Information

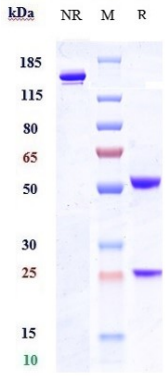
Target/Specificity	DPEP3
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

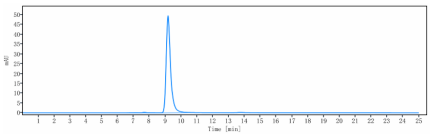
Protein Information

Name	DPEP3
Function	Lacks dipeptidase activity and is unable to hydrolyze cystinyl-bis-glycine, leukotriene D4 and the beta-lactam antibiotic imipenem (PubMed:32325220). The absence of activity may be due to the inability of asparagine (instead of aspartate found in DPEP1/2) at position 359 to function as the acid/base catalyst and activate the nucleophilic water/hydroxide (PubMed:32325220). A tyrosine (instead of histidine) at position 269 reduces affinity for the beta zinc and may cause substrate steric hindrance (PubMed:32325220).
Cellular Location	Membrane {ECO:0000250|UniProtKB:Q9DA79}; Lipid- anchor, GPI-anchor {ECO:0000250|UniProtKB:Q9DA79}

Images

Anti-DPEP3 Reference Antibody (tamrintamab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 90%.





The purity of Anti-DPEP3 Reference Antibody (tamrintamab) is more than 95%, determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.