

beta 2 Defensin/BD-2 Polyclonal Antibody(Capture/Detector)

catalog number: AN000270P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

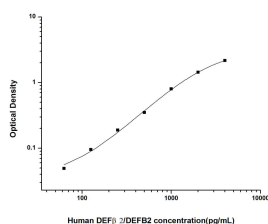
Reactivity	Human
Immunogen	Recombinant Human beta 2 Defensin/BD-2 protein expressed by E.coli
Host	Goat
Isotype	Goat IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% Proclin300.

Applications

Recommended Dilution

ELISA Capture	2-8 µg/mL
ELISA Detector	0.1-0.4 µg/mL

Data



Sandwich ELISA-Recombinant Human beta 2 Defensin/BD-2 protein standard curve. Background subtracted standard curve using beta 2 Defensin/BD-2 antibody(AN000270P) (Capture), beta 2 Defensin/BD-2 antibody(AN000270P) (Detector) in sandwich ELISA. The reference range value for Recombinant Human beta 2 Defensin/BD-2 protein is 62.5-4000 pg/mL.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Human BD-2, also known as defensin beta 2 (DEFB-2), is a secreted, 41 amino acid residue anti-microbial protein belonging to the defensin family. Mature defensins are cationic proteins with three intramolecular disulfides and a characteristic triple-stranded beta-sheet. Human BD-2 expression is induced by inflammatory signals in multiple tissues, including airway epithelial cells and keratinocytes. At the amino acid sequence level, human BD-2 shares 98% and 51% homology with the proteins from rhesus monkey and rat, respectively.