

# **Anti-TSPAN26 / CD37 Reference Antibody (naratuximab)**

Recombinant Antibody Catalog # APR10094

### **Specification**

# Anti-TSPAN26 / CD37 Reference Antibody (naratuximab) - Product Information

Application
Primary Accession
Reactivity
Clonality
Isotype

Calculated MW

FC, Kinetics, Animal Model

P11049 Human Monoclonal IgG1 145 KDa

# Anti-TSPAN26 / CD37 Reference Antibody (naratuximab) - Additional Information

Target/Specificity TSPAN26 / CD37

**Endotoxin** 

< 0.001EU/ µg,determined by LAL method.

**Conjugation** Unconjugated

**Expression system** 

CHO Cell

## **Format**

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

## Anti-TSPAN26 / CD37 Reference Antibody (naratuximab) - Protein Information

Name CD37

**Synonyms** TSPAN26

#### **Function**

Structural component of specialized membrane microdomains known as tetraspanin-enriched microdomains (TERMs), which act as platforms for receptor clustering and signaling. Participates thereby in diverse biological functions such as cell signal transduction, adhesion, migration and protein trafficking (PubMed:<a href="http://www.uniprot.org/citations/22624718" target="\_blank">22624718</a>). Upon ligand binding, two signaling pathways are activated, one acting through phosphorylation by LYN leading to cell death or a survival pathway with activation of GSK3B (PubMed:<a href="http://www.uniprot.org/citations/22624718" target="\_blank">22624718</a>(a>). Plays an essential role essential for clustering of integrin ITGA4/ITGB1 and promotes its mobility in the plasma membrane of B-cells. In turn, participates in ITGA4/ITGB1 integrin-mediated antiapoptotic signaling through AKT (By similarity). Also plays a



role in the migration of dendritic cells and neutrophils to draining lymph nodes, as well as in their integrin- mediated adhesion (By similarity). Negatively regulates IL-6 responses through direct interaction with SOCS3 thereby preventing constitutive IL-6 signaling (PubMed:<a href="http://www.uniprot.org/citations/26784544" target="\_blank">26784544</a>). Alternatively, inhibition of IL-6 signaling can also occur via interaction and stabilization of DECTIN1/CLEC7A at the cell membrane to inhibit its ability to promote the production of IL-6 (PubMed:<a href="http://www.uniprot.org/citations/17182550" target=" blank">17182550</a>).

#### **Cellular Location**

Cell membrane; Multi-pass membrane protein

#### **Tissue Location**

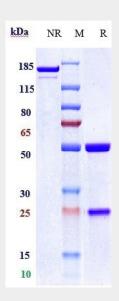
B-lymphocytes (PubMed:26784544). Antigen presenting cells (PubMed:17182550).

### Anti-TSPAN26 / CD37 Reference Antibody (naratuximab) - Protocols

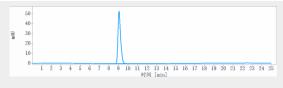
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

### Anti-TSPAN26 / CD37 Reference Antibody (naratuximab) - Images

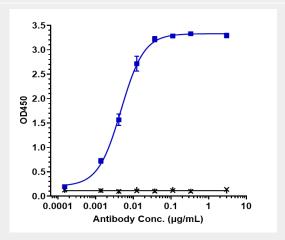


Anti-TSPAN26 / CD37 Reference Antibody (naratuximab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%





The purity of Anti-TSPAN26 / CD37 Reference Antibody (naratuximab)is more than 100% , determined by SEC-HPLC.



Immobilized human CD37 VLP at16  $\,\mu g/mL$  can bind Anti-TSPAN26 / CD37 Reference Antibody (naratuximab)  $\parallel$  EC50=0.0047  $\,\mu g/mL$