

DESCRIPTION

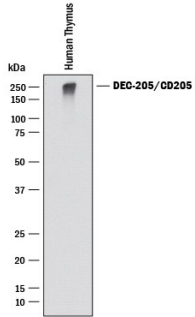
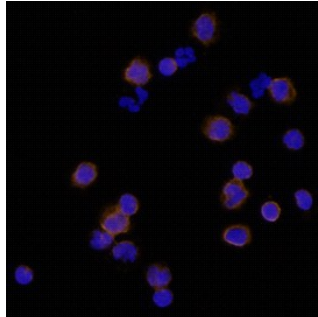
Species Reactivity	Human
Specificity	Detects human DEC-205/CD205 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human DEC-205/CD205 Cys216-Cys501 Accession # O60449
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below
Immunocytochemistry	5-15 µg/mL	See Below

DATA

<p>Western Blot</p>  <p>Detection of Human DEC-205/CD205 by Western Blot. Western blot shows lysates of human thymus tissue. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human DEC-205/CD205 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2047) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for DEC-205/CD205 at approximately 250 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>Immunocytochemistry</p>  <p>DEC-205/CD205 in Human PBMCs. DEC-205/CD205 was detected in immersion fixed human peripheral blood mononuclear cells (PBMCs) using 10 µg/mL Goat Anti-Human DEC-205/CD205 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2047) for 3 hours at room temperature. Cells were stained with the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). View our protocol for Fluorescent ICC Staining of Non-adherent Cells.</p>
---	---

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

DEC-205, also known as CD205 and lymphocyte antigen 75 (Ly 75), is a type I transmembrane protein that is primarily expressed on dendritic cells and thymic epithelial cells. The extracellular region of DEC-205 contains ten C-type lectin-like domains, a fibronectin type II domain and a ricin B-type lectin domain. DEC-205 functions as an endocytic receptor for antigens. The recombinant protein used to generate the anti-human DEC-205 antibody contains the first two C-type lectin domains.