

DESCRIPTION

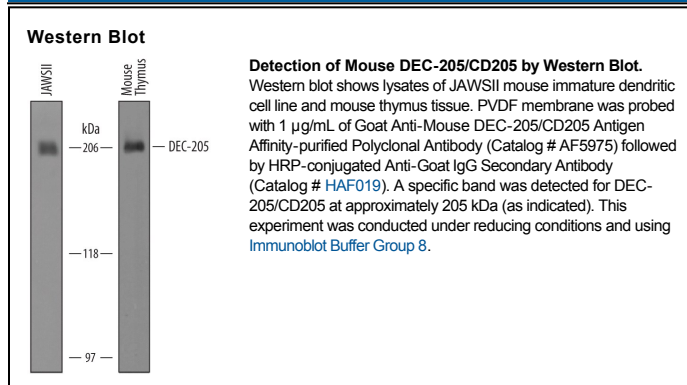
Species Reactivity	Mouse
Specificity	Detects mouse DEC-205/CD205 in direct ELISAs and Western blots. In direct ELISAs, approximately 50% cross-reactivity with recombinant human DEC-205 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse DEC-205/CD205 Cys216-Pro503 Accession # Q60767
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

DATA



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 (Dendritic and thymic Epithelial Cell-205; also Ly-75 and CD205) is a 200-205 kDa member of the mannose receptor family of molecules. In mouse, it is widely expressed, being found on B cells, Langerhans cells, bone marrow-derived dendritic cells, neutrophils, plus respiratory, intestinal, and thymic cortical epithelium. DEC-205 serves as a recognition/endocytic receptor for dying cells, and likely participates in the induction of self-tolerance. Mature mouse DEC-205 is a 1696 amino acid (aa) type I transmembrane glycoprotein (aa 28-1723). It contains a 1640 aa extracellular domain (ECD) (aa 28-1667) and a 31 aa cytoplasmic tail. The ECD is highly modular, containing a ricin B-type lectin domain (aa 33-182), a FN type II domain (aa 164-211) and nine sequential C-type lectin domains (aa 225-1662). There are at least two potential isoform variants. One shows a two aa substitution for aa 866-1723, and another shows a 64 aa substitution for aa 734-1723. Over aa 216-503, mouse DEC-205 shares 87% and 79% aa identity with rat and human DEC-205, respectively.