

## Product datasheet for **DDX0207A546-100**

### DC SIGN (CD209) Mouse Monoclonal Antibody [Clone ID: 109H12.03]

#### Product data:

**Product Type:** Primary Antibodies  
**Clone Name:** 109H12.03  
**Applications:** FC, IF, IHC  
**Recommend Dilution:** Surface Flow cytometry, IHC, IF

**Reactivity:** Human, Mouse

**Host:** Mouse

**Isotype:** IgG2a

**Clonality:** Monoclonal

**Formulation:** PBS 50% glycerol  
Label: Alexa Fluor 546

**Concentration:** 0.5 mg/ml

**Conjugation:** Alexa Fluor 546

**Gene Name:** CD209 molecule

**Database Link:** [Entrez Gene 30835 Human](#)

**Background:** DC-SIGN ("DC Specific, ICAM-3 Grabbing, Nonintegrin")/CD209 and liver/lymph node-specific ICAM-3-grabbing nonintegrin (L-SIGN) (CD299/DC-SIGNR for DC-SIGN-related molecule; DC-SIGN2) are closely related genes that map to chromosome 19p13.3. Both genes encode a member of the C-type lectin family of type II transmembrane proteins. The two receptors are 77% identical at the amino acid level, have similar ligands. They are expressed in different tissues. Both receptors have been shown to interact with ICAM-3 DC-SIGN is a high affinity receptor for HIV gp120 (*Soilleux EJ. 2003, Clinical Science 104, 437-; Dakappagari N., et al. 2006, The J Immunol, 176, 426; Geijtenbeeck T.B., et al. 2000, Cell, 100, 57 ; .Bashirova A. et al., 2001, J.Exp. Med., 193, 671 ; Canard B et al, Immunol Lett. 2011, 135(1-2):165-72 ; Rochereau N. et al, Vaccine 201; Kwan WH et al, PLoS Negl.Trop.Dis, 2:e311, 2008).*

**Synonyms:** DCSIGN1, DCSIGN, DC-SIGN1, CLEC4L, Dendritic Cell Marker



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