

Recombinant Human ITGAX & ITGB2 cell lysate

Cat. No. ITGAX & ITGB2-1875HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITGAX & ITGB2 (Integrin alpha-X / Integrin beta-2) Heterodimer derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on

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	SDS-PAGE for Western blot application. If dissociating conditions are required, add reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.
GENE INFORMATION	
Gene Name	ITGAX integrin, alpha X (complement component 3 receptor 4 subunit) [Homo sapiens]; ITGB2 integrin, beta 2 (complement component 3 receptor 3 and 4 subunit) [Homo sapiens]
Official Symbol	ITGAX; ITGB2
Synonyms	CD11C; SLEB6; integrin alpha-X; leu M5, alpha subunit; p150 95 integrin alpha chain; CD11 antigen-like family member C; leukocyte adhesion receptor p150,95; myeloid membrane antigen, alpha subunit; leukocyte surface antigen p150,95, alpha subunit; leukocyte adhesion glycoprotein p150,95 alpha chain; integrin, alpha X (antigen CD11C (p150), alpha polypeptide); LAD; CD18; MF17; MFI7; LCAMB; LFA-1; MAC-1; integrin beta-2; integrin beta chain, beta 2; complement receptor C3 beta-subunit; complement receptor C3 subunit beta; leukocyte cell adhesion molecule CD18; leukocyte-associated antigens CD18/11A, CD18/11B, CD18/11C; cell surface adhesion glycoproteins LFA-1/CR3/p150,95 subunit beta; cell surface adhesion glycoprotein LFA-1/CR3/P150,959 beta subunit precursor)

Gene ID	3687; 3689
mRNA Refseq	NM_000887; NM_000211
Protein Refseq	NP_000878; NP_000202
MIM	151510; 600065
UniProt ID	P20702; P05107
Chromosome Location	16p11.2; 21q22.3
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Integrin cell surface interactions, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Amoebiasis, conserved biosystem
Function	metal ion binding; protein binding; glycoprotein binding; metal ion binding

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