

## Integrin alpha X beta 2 Protein, Human (HEK293, Flag-His)

Cat. No.:	HY-P73864
Synonyms:	Integrin alpha X beta 2; CD11c; ITGAX; CD18; ITGB2
Species:	Human
Source:	HEK293
Accession:	P20702 (P20-P1107)&P05107 (Q23-N700)
Gene ID:	3687&3689
Molecular Weight:	Approximately 95&130 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	The Integrin alpha-X/beta-2 protein serves as a receptor for fibrinogen, recognizing the G-P-R sequence in its ligands. Crucial for cell-cell interactions during inflammatory responses, Integrin alpha-X/beta-2 plays a particularly significant role in monocyte adhesion and chemotaxis. Structurally, it forms a heterodimer, consisting of an alpha and a beta subunit, with the alpha-X subunit associating with the beta-2 subunit. This receptor's recognition of fibrinogen and its involvement in inflammatory processes underscore its importance in facilitating immune responses, emphasizing its role in the regulation of monocyte functions and cell migration during inflammation.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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