

Datasheet for ABIN967487

anti-IGF1R antibody**1** Image**3** Publications[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	IGF1R
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IGF1R antibody is un-conjugated
Application:	Flow Cytometry (FACS), Fluorescence Microscopy (FM)

Product Details

Brand:	BD Pharmingen™
Clone:	1H7
Isotype:	IgG1 kappa
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	IGF1R
Alternative Name:	CD221 (IGF1R Products)
Background:	Reacts with human insulin-like growth factor-I (IGF-I) receptor alpha subunit (135 kDa). IGF-IRalpha is a glycoprotein complex composed of two extracellular alpha subunits and two transmembrane beta subunits. The transmembrane subunits play a role in tyrosine phosphorylation of several intracellular signaling proteins. IGF-IRalpha is structurally and functionally similar to insulin receptor and is expressed on a variety of human hematopoietic and non-hematopoietic cells. It mediates the effects of IGF-I and IGF-II on cellular growth. 1H7 does not cross react with human insulin receptor and it can block IGF-I or IGF-II stimulated cell growth. This antibody is routinely tested by flow cytometric analysis. Synonyms: IGF-I Receptor alpha
Pathways:	RTK Signaling , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Autophagy

Application Details

Application Notes:	This product is routinely tested on peripheral blood granulocytes. The histogram is an example of the expected reactivity.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Aqueous buffered solution containing ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4° C.

Publications

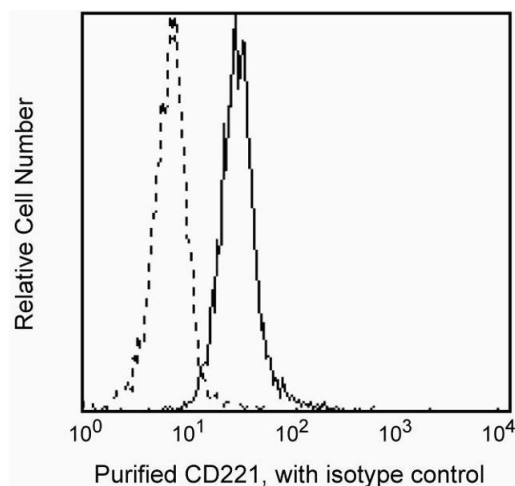
Product cited in:	Kooijman, Scholtens, Rijkers, Zegers: "Differential expression of type I insulin-like growth factor
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receptors in different stages of human T cells." in: **European journal of immunology**, Vol. 25, Issue 4, pp. 931-5, (1995) ([PubMed](#)).

Li, Kato, Paz, Kasuya, Fujita-Yamaguchi: "Two new monoclonal antibodies against the alpha subunit of the human insulin-like growth factor-I receptor." in: **Biochemical and biophysical research communications**, Vol. 196, Issue 1, pp. 92-8, (1993) ([PubMed](#)).

Xiong, Kasuya, Li, Kato, Fujita-Yamaguchi: "Growth-stimulatory monoclonal antibodies against human insulin-like growth factor I receptor." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 89, Issue 12, pp. 5356-60, (1992) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Profile of peripheral blood granulocytes analyzed on a FACScan (BDIS, San Jose, CA)