

# Anti-human CD34 Antibody

## Overview

Cat. Number	BGT-ANT-03173
Antigen	CD34
Clone	4H11[APG]
Format	Purified
Reactivity	Human
Application	FC (QC tested), WB, IHC-P, ICC
Application details	Western blotting: Recommended dilution: 1-2 µg/ml; positive control: Kg-1a, TF-1 cells, non-reducing conditions. Flow cytometry: Recommended dilution: 2 µg/ml. Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml; positive tissue: placenta endothelium.
Isotype	Mouse IgG1
Specificity	The mouse monoclonal antibody 4H11[APG] reacts with extracellular class III epitope on CD34, a 110-115 kDa monomeric transmembrane phosphoglycoprotein expressed on hematopoietic progenitors cells and on the most pluripotential stem cells; it is gradually lost on progenitor cells. The antibody 4H11[APG] completely blocks binding of class III antibodies BIRMA K3 and 8G12 on KG1a cell line.
Workshop	HLDA VI: WS Code M MA58
Immunogen	Permanent human cell line derived from peripheral leucocytes of a patient suffering from chronic myeloid leukaemia.
Entrez Gene ID	947
Gene name	CD34
NCBI Full Gene Name	CD34 molecule
UniProt ID	P28906
Concentration	1 mg/ml
Preparation	Purified by protein-A affinity chromatography.
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage and handling	Store at 2-8°C. Do not freeze.
Note	For Research Use Only. Not for use in diagnostic or therapeutic procedures.